

# 量具类

## MEASURING TOOLS



哈尔滨量具刃具集团有限责任公司  
Harbin Measuring & Cutting Tool Group Co.,Ltd.

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# 卡 尺 CALIPERS

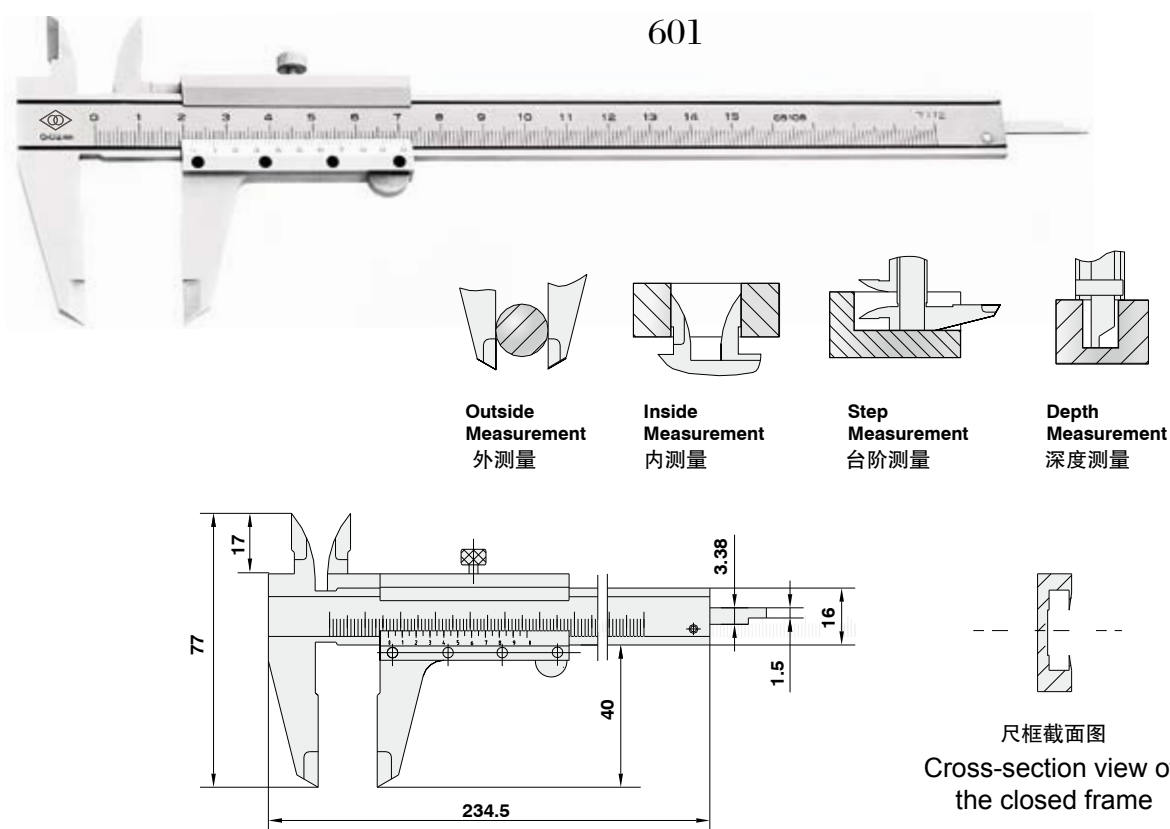
## 游标卡尺 601 602 603

## VERNIER CALIPERS 601 602 603

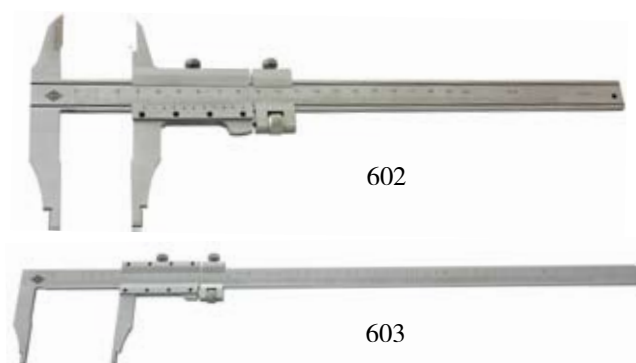
游标卡尺用于一般机械加工中的测量，可测量内、外尺寸、深度及台阶等。

游标卡尺的精度符合国际标准和国家标准，也可按DIN标准供货。

The vernier calipers are measuring tools for the machine shop and inspection department. They are used to measure outside, inside dimensions, depth and step. The accuracy of calipers meets ISO and GB standards or they can be supplied in accordance with DIN standard.

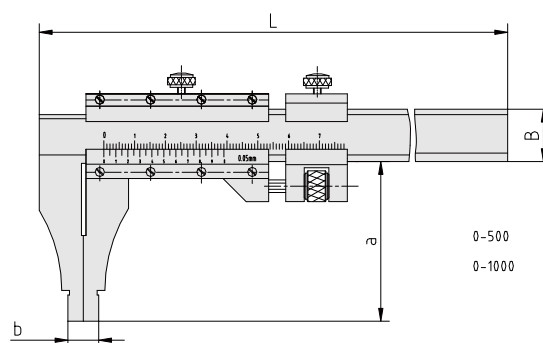
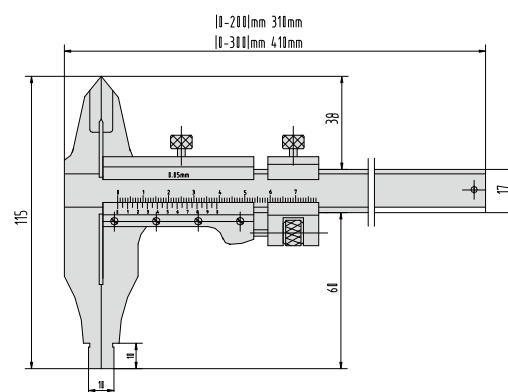


编 号 Item No.	测量范围 Measuring range	读数 Reading value	用途 Application	质量 Weight(kg)
601-01	0-150mm	0.02mm	4用 4ways	0.149
-02		0.05mm		
-06	0-125mm	0.02mm	4用 4ways	0.138
-07		0.05mm		



编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
602-01	0-200mm	0.02mm	0.309
-02		0.05mm	
-05	0-300mm	0.02mm	0.361
-06		0.05mm	

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
603-01	0-500mm	0.02mm	0.750
-02		0.05mm	
-03	0-1000mm	0.02mm	2.600
-04		0.05mm	
-05	0-1500mm	0.02mm 0.05mm	6.61
-06	0-2000mm	0.02mm 0.05mm	8.19
-07	1000-2000mm	0.02mm 0.05mm	8.19
-08	0-3000mm	0.05mm	35
-09	0-4000mm	0.05mm	39.5



单位(unit): mm

测量范围 Measuring Range	L	a	b	B
0-500	630	80	10	21
0-1000	1170	100	20	32
0-1500	1725	150	20	40
0-2000	2354	200	30	48
1000-2000				
0-3000	3534	260	40	76
0-4000	4534			

※ 603-08/09产品技术要求执行企业标准

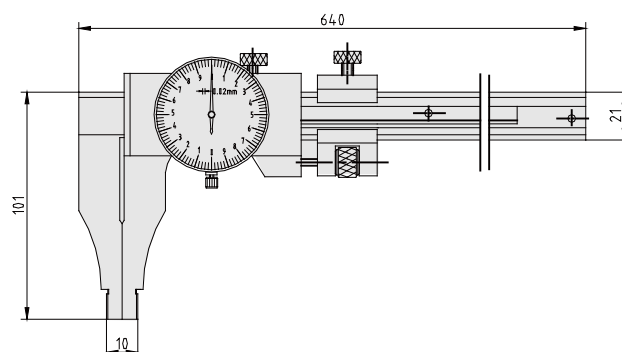
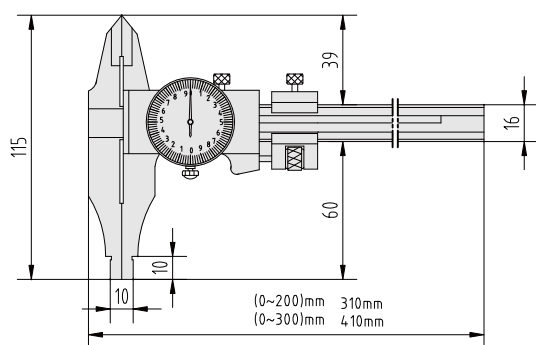
The technical specification of 603-08/09 products conform to the standard of the enterprise.

## 带表卡尺 604 DIAL CALIPERS 604



带表卡尺是用表式机构代替游标读数，测量准确迅速。带表卡尺可按GB和DIN标准供货。

The dial calipers apply dial mechanism instead of vernier for readings and can work accurately and rapidly. Dial calipers with GB and DIN standards can be supplied.



编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
604-01	0-150mm	0.02mm	0.160
-03	0-200mm	0.02mm	0.21
-04	0-100mm	0.02mm	0.10
-05	0-300mm	0.02mm	0.4
-06	0-500mm	0.02mm	0.75

## 电子数显卡尺605 ( I型、II型 )

### DIGITAL CALIPERS 605 (TYPE I, TYPE II)

电子数显卡尺符合GB标准。

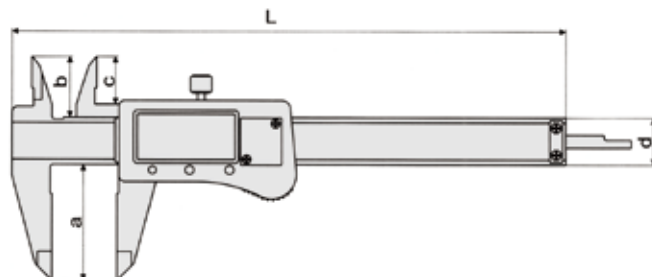
DIGITAL CALIPERS Conform to GB standard.



605 I



605 II



#### 特点 ( I ):

- 带电源开关
- 测量单位转换
- 任意位置清零
- 带数据输出

#### FEATURES ( I ):

- Power on/off.
- mm/inch conversion.
- Zero setting at any position.
- Data output for the connection to SPC systems.

#### 特点 ( II ):

- 金属罩壳
- 带电源开关
- 任意位置清零
- 测量单位转换
- 任意位置进行相对测量和绝对测量的转换

#### FEATURES ( II ):

- Metal housing.
- Power on/off.
- Zero setting at any position.
- mm/inch conversion.
- Absolute and relative measurement inter conversion at any position.



## 技术参数 SPECIFICATIONS

编号 Item No.	测量范围 Measuring Range	分辨力 Resolution	精度 Accuracy
605-01(I)	0-150mm(0-6")	0.01mm(.0005")	± 0.03mm
605-01(II)	0-150mm(0-6")	0.01mm(.0005")	± 0.03mm

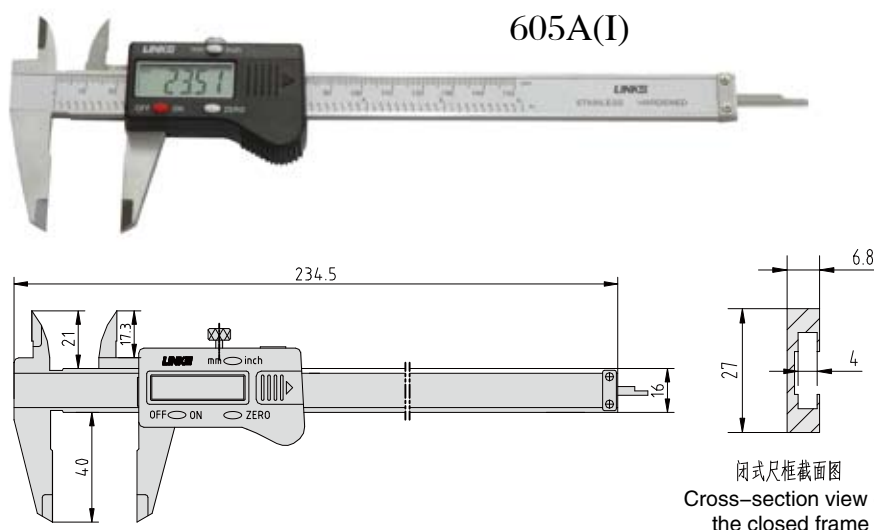
单位(unit)mm

测量范围 Measuring range	L	a	b	c	d
0-150	234.50	40.00	21.00	17.30	16.00

### 电子数显卡尺 605A(I型、II型)

### ELECTRONIC DIGITAL CALIPERS 605A(I, II)型

电子数显卡尺符合GB标准。  
DIGITAL CALIPERS Conform to GB standard.

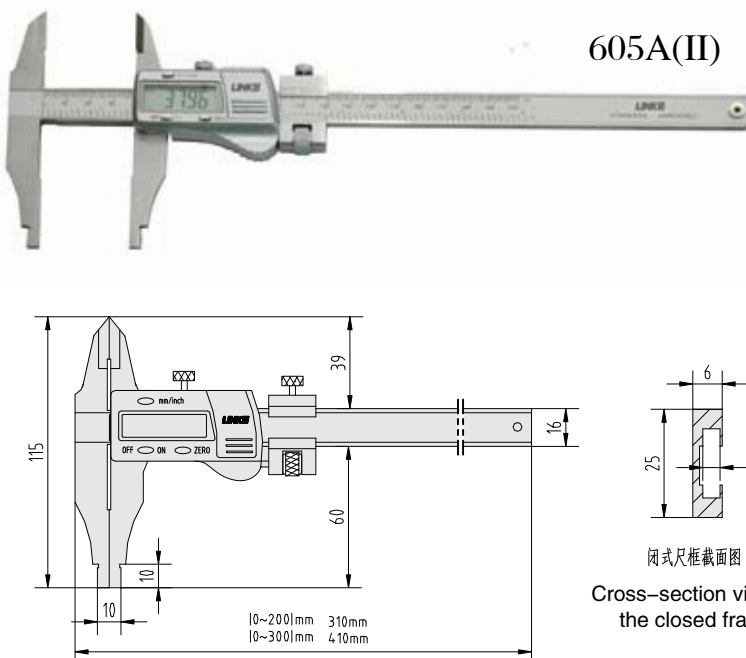


#### 特点 (I):

- 带电源开关
- 测量单位转换
- 任意位置清零
- 带数据输出

#### FEATURES (I):

- Power on/off.
- mm/inch conversion.
- Zero setting at any position.
- Data output for the connection to SPC systems.



#### 特点 (II):

- 金属罩壳
- 带电源开关
- 任意位置清零
- 测量单位转换

#### FEATURES (II):

- Metal housing.
- Power on/off.
- Zero setting at any position.
- mm/inch conversion.



编 号 Item No.	测量范围 Measuring range	分辨力 Resolution	质量 Weight(kg)
605-01	0-150mm (0-6in)	0.01mm (0.0005in)	0.145
605-02	0-200mm (0-8in)		0.178
605-03	0-300mm (0-12in)		0.201
605-04	0-500mm (0-20in)		0.237
605-05	0-1000mm (0-40in)		7.317

定货说明:

请按产品名称的测量范围及读数值编号定货并说明功能。例: 电子数显卡尺 0-150mm 0.01mm, 标注为: 605-01.

Note: Please mark the item No., measuring range, reading value and function for order.

Example: for vernier caliper 0-150mm, 0.01mm, mark with: 605-01.

## 深度游标卡尺606

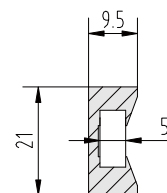
## DEPTH VERNIER GAUGES 606

深度游标卡尺用于测量深度, 台阶等。其精度符合GB也可按DIN标准供货。

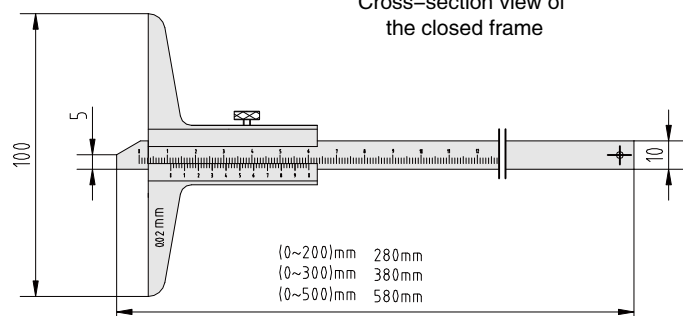
The depth vernier gauges can be used to measure depth and step. The accuracy of the gauges conforms to GB standard, The gauges with DIN standard are also available.



编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
606-01	0-200mm	0.02mm	0.218
-02		0.05mm	
-03	0-300mm	0.02mm	0.255
-04		0.05mm	
-05	0-500mm	0.02mm	0.334
-06		0.05mm	
-07	0-1000mm	0.02mm	0.55
-08		0.05mm	
-09	0-1500mm	0.02mm	3.2
-10		0.05mm	



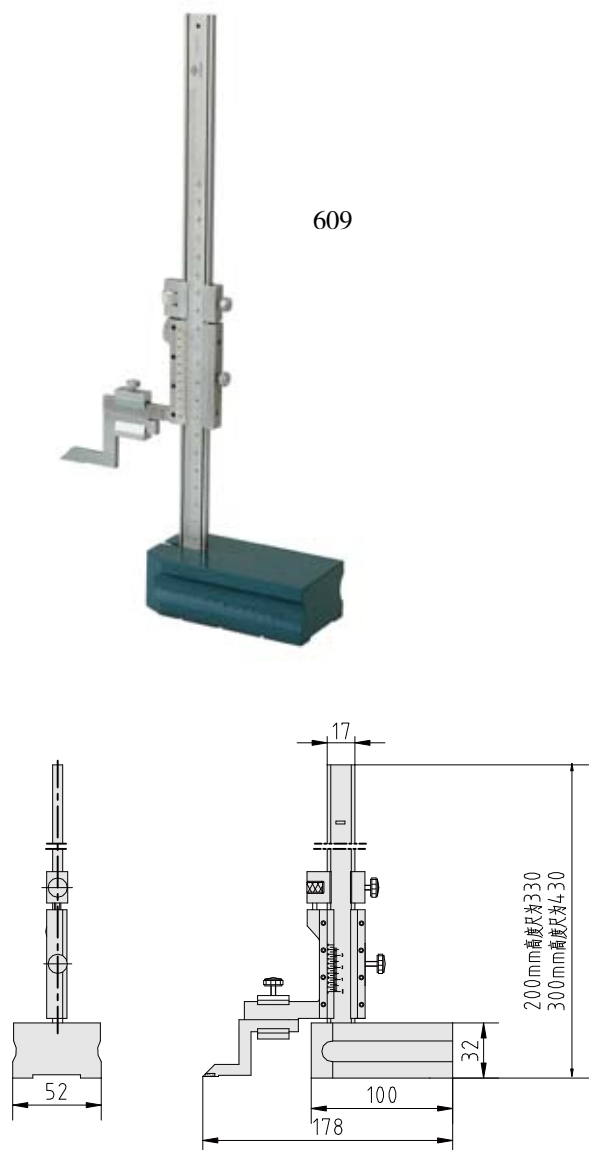
闭式尺框截面图  
Cross-section view of the closed frame



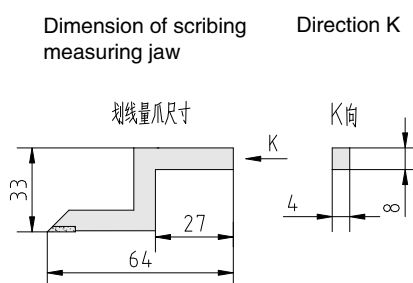
## 高度游标卡尺609 HEIGHT VERNIER GAUGES 609

高度游标卡尺广泛用于机械加工中的高度测量、划线等。其技术要求符合国家标准。

The height vernier gauges are widely used for height measurement and scribing in machining. Its technical specifications conform to GB standard.



编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
609-01	0-200mm	0.02mm	1.445
-02		0.05mm	
-05	0-300mm	0.02mm	1.498
-06		0.05mm	
-09	0-500mm	0.02mm	5.27
-10		0.05mm	
-11	0-600mm	0.02mm	6.242
-12		0.05mm	
-13	0-1000mm	0.02mm	17.595
-14		0.05mm	
-15	0-1500mm	0.02mm	32.30
-16		0.05mm	
-17	0-2000mm	0.02mm	33.71
-18		0.05mm	



## 高度游标卡尺 609 ( A型 ) HEIGHT VERNIER GAUGES 609 ( TYPE A )

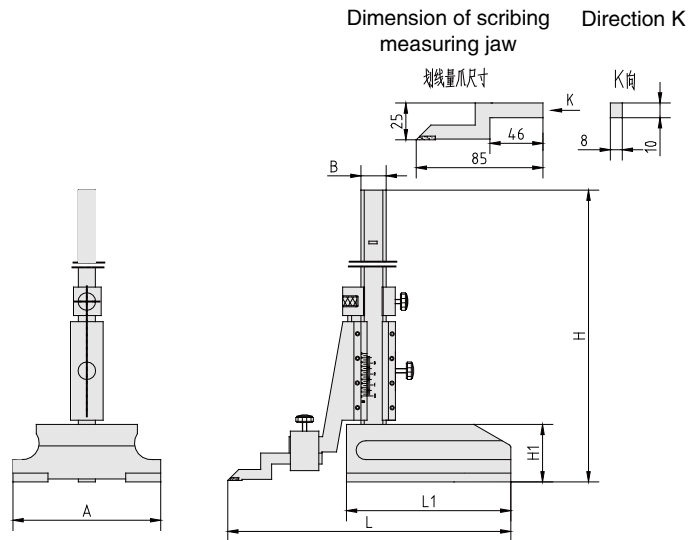
高度游标卡尺广泛用于机械加工中的高度测量、划线等。A型高度尺比改型前更加稳定可靠。其技术要求符合国家标准。

The height vernier gauges are widely used for height measurement, scribing, etc. in machining operation. The height vernier gauges of type A are even more stable and reliable than those previous types before modification. Its technical specifications conform to GB standard.



609(A型)

产品编号 Item No.	测量范围 Measuring range	读数值 Reading value
609-05(A型)	0-300mm	0.02mm
-06(A型)		0.05mm



单位 (unit) :mm

测量范围 Measuring range	L	L1	H	H1	B	A
0-300	206	116	455	37	21	76
0-500	242.5	150	695	52.5	23	95
0-1000	284.3	178	1195	52.5	35	120

## 可调高度游标卡尺 610

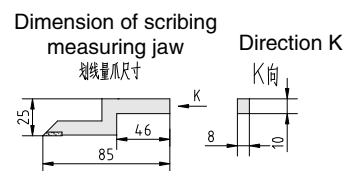
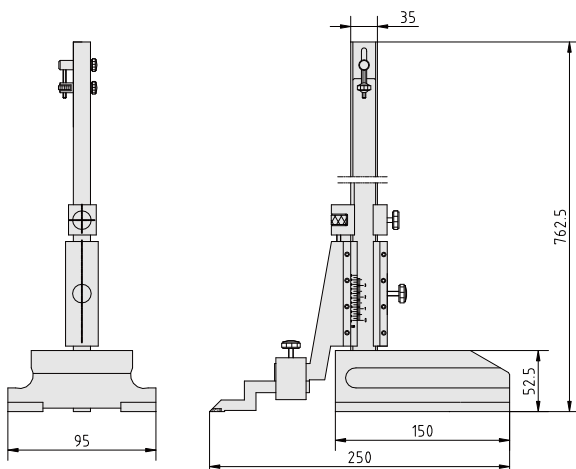
## ADJUSTABLE HEIGHT VERNIER GAUGES 610

其技术要求符合GB标准。

Its technical specifications conform to GB standard.



610



编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
610-01	0-500mm	0.02mm	5.915
-02		0.05mm	

## 电子数显高度卡尺 611

### ELECTRONIC DIGITAL HEIGHT GAUGES 611

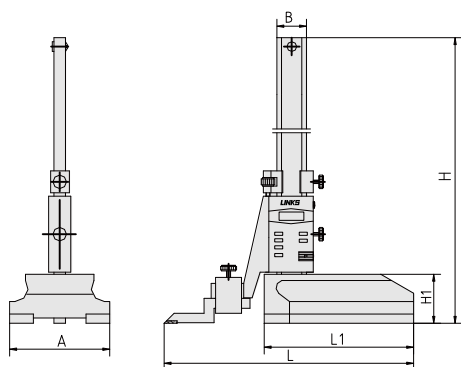
电子数显高度卡尺采用数字显示技术，测量精确，效率高，可在任意位置置零。其技术要求符合JB标准。

The electronic digital height gauges apply digital display technology and have the features of high accuracy and efficiency. It can be reset at any position. Its specifications conform to JB standard.

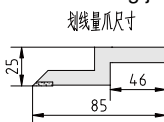


611

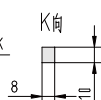
编 号 Item No.	测量范围 Measuring range	分辨力 Resolution	准确度 Accuracy	质量 Weight(kg)
611-03	0-200mm 8in	0.01mm 0.0005in	± 0.03mm	8.23
611-01	0-300mm 0-12in	0.01mm 0.0005in	± 0.04mm	8.310
611-02	0-500mm 0-20in	0.01mm 0.0005in	± 0.05mm	8.640
611-04	0-1000mm 0-40in	0.01mm 0.0005in	± 0.07mm	17.6



Dimension of scribing  
measuring jaw



Direction K



单位 (unit) : mm

测量范围 Measuring range	L	L1	H	H1	A	B
0-300	206	116	455	37	76	21
0-500	242.5	150	695	52.5	95	23
0-1000	284.3	178	1212	52.5	120	35

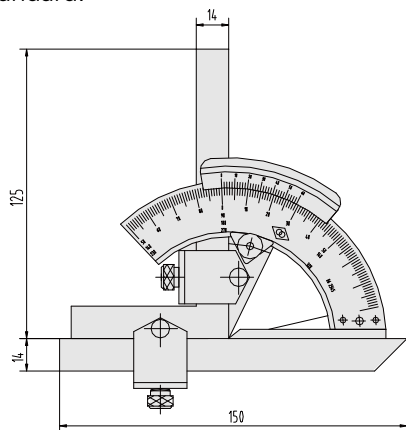


## 万能角度尺613

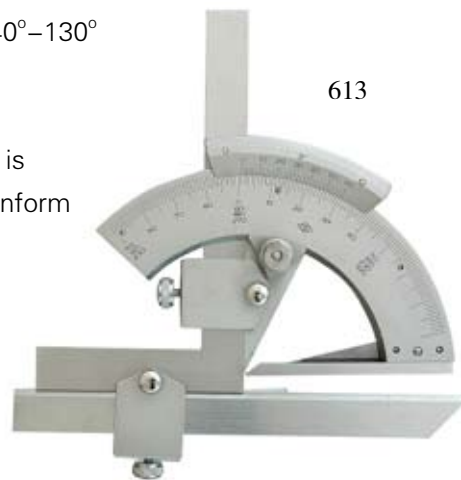
### UNIVERSAL BEVEL PROTRACTORS 613

万能角度尺适用于机械加工中的内、外角度测量，可测0°-320°外角及40°-130°内角。其技术要求符合GB标准。

The universal bevel protractors are used for interior and exterior angle measurement in machining. The measuring range of the exterior angle is 0°-320° and that of the interior angle is 40°-130°. Its specifications conform to GB standard.



613



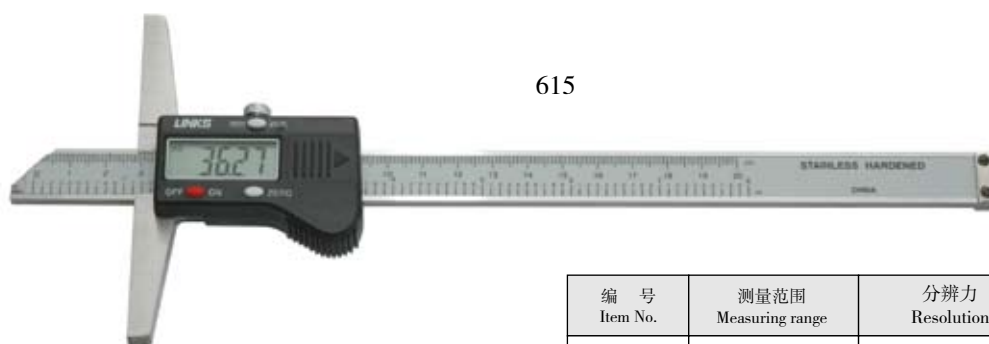
编 号 Item No.	测量范围 Measuring range	读数 Reading value	质量 Weight(kg)
613-01	0-320°	2'	0.367
613-02		5'	

## 电子数显深度卡尺 615

## ELECTRONIC DIGITAL DEPTH GAUGES 615

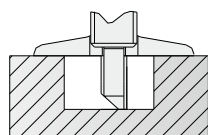
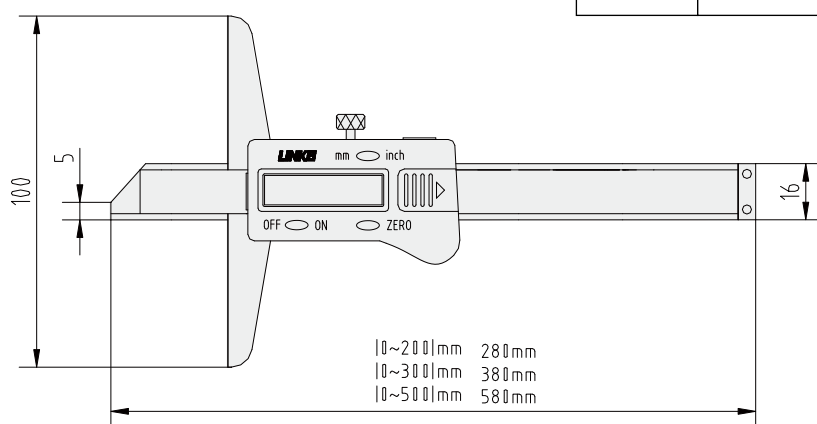
电子数显深度卡尺精确度高、读数直观。具有公英制转换、任意位置清零、数据输出等功能。可进行深度、台阶的绝对测量和相对测量。另外还供应大跨度（100~320）mm的电子数显深度卡尺。其技术要求执行JB标准。

The electronic digital depth gauges are high in accuracy and direct in reading. They have the functions of metric-inch interconversion, resetting at any position, data output, etc. They can be used to make the absolute and relative measurements of depth and step. The electronic digital depth gauges with large spans (100~320)mm are also available for supply. Their technical specifications conform to JB standard.

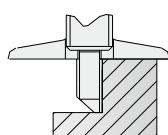


615

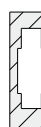
编 号 Item No.	测量范围 Measuring range	分辨力 Resolution	质量 Weight(kg)
615-01	0~200mm/0~8in	0.01mm/0.0005in	0.248
615-02	0~300mm/0~12in		0.298
615-03	0~500mm/0~20in		0.398



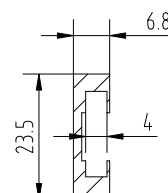
槽深度测量  
Groove depth  
measurement



台阶高度测量  
Step height  
measurement



截面图  
Cross-section view



闭式尺框截面图  
Cross-section view of  
the closed frame

## 带表深度卡尺 616

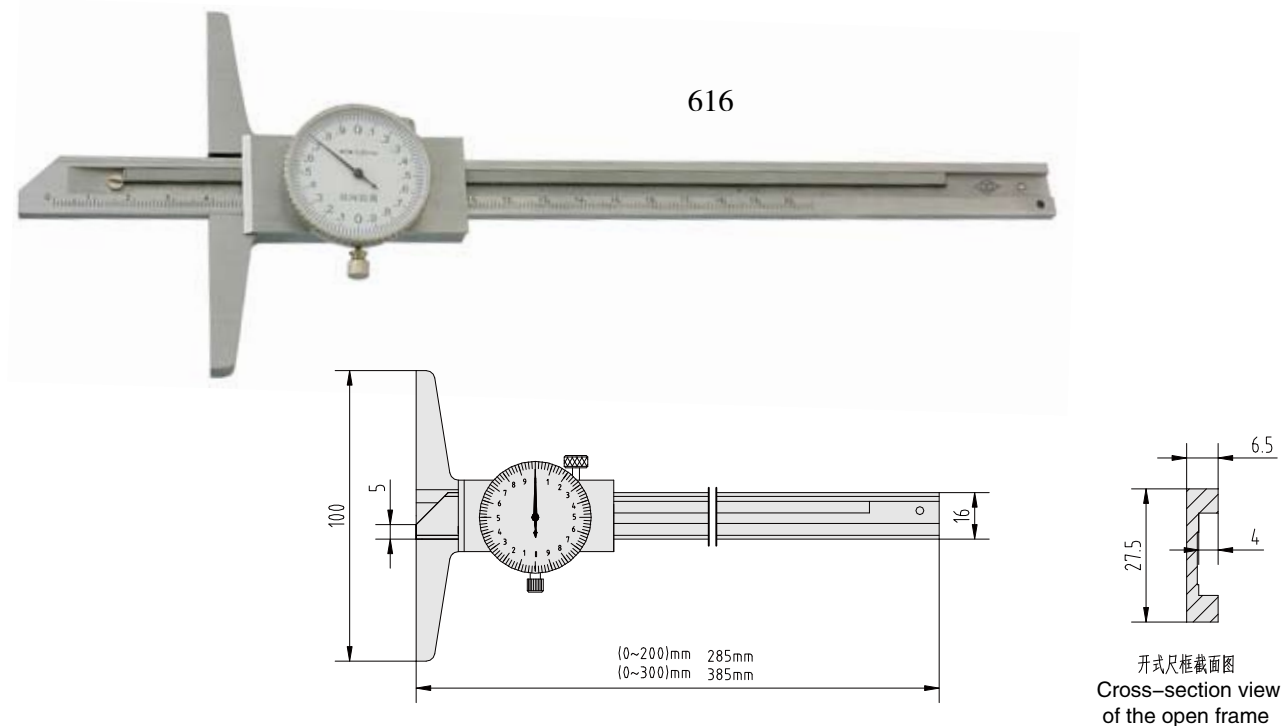
### DIAL DEPTH GAUGES 616

带表深度卡尺采用齿条，齿轮传动原理，将尺身尺框相对移动转变为指示表指针回转运动，用表式机构代替游标读数，具有读数直观，使用方便的特点，主要用于测量盲孔或凹槽深度及台阶高度。

其技术要求执行Q/HLR企业标准。

The dial depth gauge applies the principle of rack and pinion to convert the relative motion between the beam and the frame into a rotary motion of the pointer of the indicator, with the dial indicator replacing the vernier for reading, and it has the features of direct reading and easy operation, mainly used for measuring the depth of blind holes and grooves as well as the height of steps.

Its technical requirement is in accordance with the Q/HLR standard of the enterprise.



产品编号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight
616-01	0-200mm	0.02mm	0.275 kg
616-02	0-300mm		0.318 kg

## 带表高度卡尺617

### DIAL HEIGHT GAUGES 617

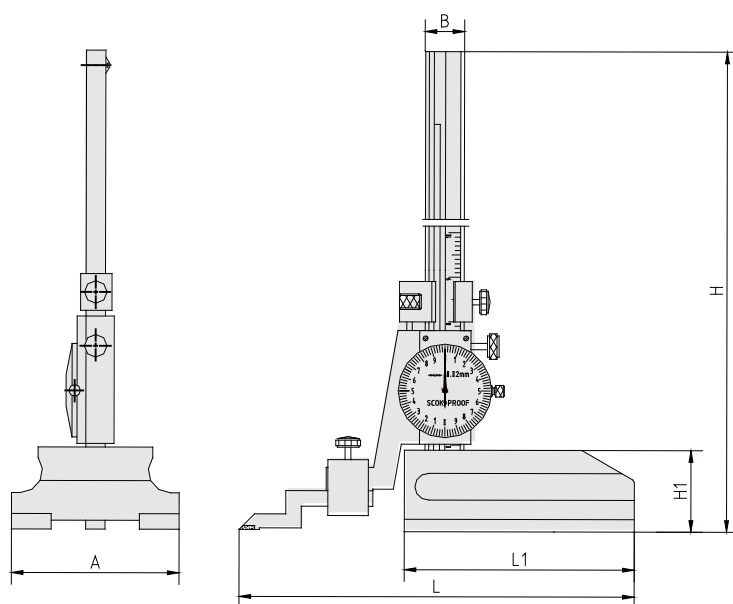
带表高度卡尺采用齿条、齿轮传动的原理。将尺身尺框相对移动转变为指示表指针回转运动。用表式机构代替游标读数。具有读数直观，使用方便等特点，主要用于测高及划线。

其技术要求执行Q/HLR29-2004。

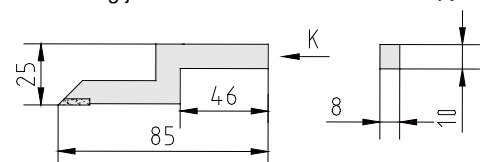
The gauges are a kind of measuring tool of converting relative motion of the gauge body and frame to rotation of pointer with pinion and rack. The mechanism with dial is adopted instead of vernier readings. They have the features of direct readings and easy operations etc. They are used for measuring height and scribing. Its technical requirement is in accordance with Q/HLR29-2004.



617



划线量爪尺寸  
Measuring jaw dimensions



产品编号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 (kg) Weight
617	(0-300)mm	0.02mm	8.34

单位(unit): mm

规格 Specification	L	L1	H	H1	B	A
(0-300)	206	116	455	37	21	76



# 千分尺

# MICROMETERS

## 外径千分尺 701 702 703 704 705

## OUTSIDE MICROMETERS 701 702 703 704 705

外径千分尺广泛应用于外尺寸的精密测量，(0-1000mm)符合GB标准，(1000-3000mm)符合JB标准。

The outside micrometers are widely used for outside precision measurement and the main accuracies conform to ISO and GB standards. (0-1000mm) conforms to GB standard, (0-3000mm) conforms to JB standard.

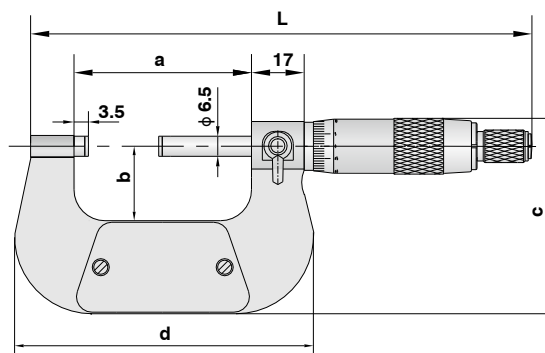
编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
701-01	0-25mm	0.01mm	0.208
-02	25-50mm		0.332
-03	50-75mm		0.407
-04	75-100mm		0.522
-05	100-125mm		0.620
-06	125-150mm		0.811
-07	0-1in	0.001in	0.208
-08	1-2in		0.332
-09	2-3in		0.407
-10	3-4in		0.522
-11	4-5in		0.620
-12	5-6in		0.811



702



701



编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
702-01	0-25mm	0.001mm	0.208
-02	25-50mm		0.332
-03	50-75mm		0.407
-04	75-100mm		0.522
-05	0-1in	0.0001in	0.208
-06	1-2in		0.332
-07	2-3in		0.407
-08	3-4in		0.522
-09	4-5in		0.620
-10	5-6in		0.811



单位 (unit) :mm

测量范围 Measuring range	a	b	c	d	L
0-25	32	34	54	62	123
25-50	57.3	32	71	97	156.3
50-75	82.3	44.5	85.5	128	181.3
75-100	107.31	57.0	104	155	206.3
100-125	132.3	70	119	194	231.3
125-150	157.3	82	136	227	256.3

订货说明：请按产品名称的测量范围及读数值编号定货。

例：外径千分尺75-100mm 0.01mm,标注为：701-04

Note: Please mark item No.,measuring range and readings value for order. Example: for outside micrometer,75-100mm,0.01mm,mark with:701-04.

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
703-01	150-175mm	0.01mm	0.703
-02	175-200mm		0.832
-03	200-225mm		0.923
-04	225-250mm		1.030
-05	250-275mm		1.098
-06	275-300mm		1.244
-07	6-7in	0.001in	0.692
-08	7-8in		0.821
-09	8-9in		0.912
-10	9-10in		1.019
-11	10-11in		1.087
-12	11-12in		1.233



703



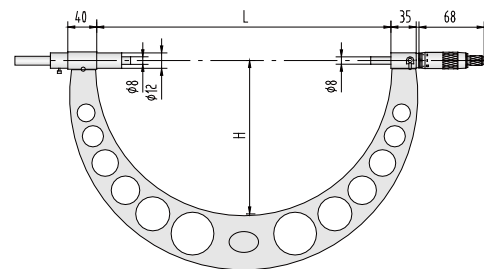
703(A型)

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	备注 Note
703-01(A型)	150-175mm	0.01mm	硬质合金量面 Measuring surface with carbide
-02(A型)	175-200mm		
-03(A型)	200-225mm		
-04(A型)	225-250mm		
-05(A型)	250-275mm		
-06(A型)	275-300mm		



704

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
704-01	300-400mm	0.01mm	2.375
-02	400-500mm		3.375
-03	500-600mm		5.386
-04	600-700mm		6.886
-05	700-800mm		9.397
-06	800-900mm		12.397
-07	900-1000mm		16.397



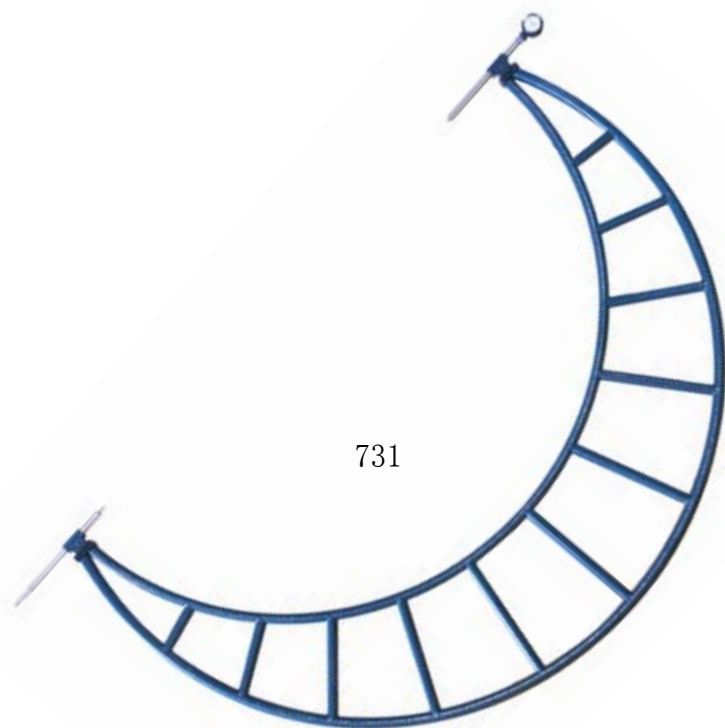
单位 (unit) : mm

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
705-01	1000-1500mm	0.01mm	11.57
-02	1500-2000mm		12.98
-03	2000-2500mm		18.82
-04	2500-3000mm		20.71

编 号 Item No.	测量范围 Measuring range	H	L
704-01	300-400	217	407
-02	400-500	267	507
-03	500-600	317	607
-04	600-700	367	707
-05	700-800	417	807
-06	800-900	467	907
-07	900-1000	517	1007

## 管结构外径千分尺731

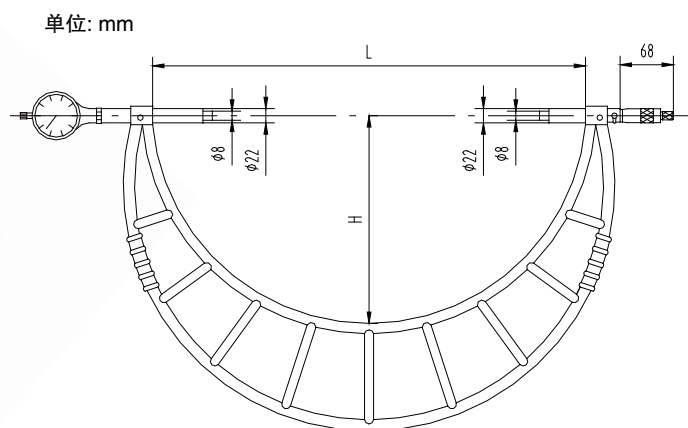
## OUTSIDE MICROMETERS WITH ROUND PIPE STRUCTURE 731



731

### 性能特点:

管结构外径千分尺用于大中型工件外尺寸的精密测量。其铝合金尺架重量轻、外型美观，硬质合金测量面，使用寿命长，利用百分表进行比较测量，读数更直观、方便。符合JB标准。



### FEATURES:

The micrometers are used for the accuracy measurement of the external dimension of large and medium type work-pieces. They have the features as follow: The frame with aluminium alloy for light weight and beautiful configuration, carbide-tipped measuring faces for long service life, comparison measurement for direct and easy readings by indicators. It conforms to JB standard.

单位(unit): mm

编号 Item NO.	测量范围 Measuring Range	分度值 Graduation Value	示值误差 Indication Error	H	L
731-01	1000-1500	0.01	0.028	768	1530
-02	1500-2000	0.01	0.038	1017	2030
-03	2000-2500	0.01	0.048	1267	2530
-04	2500-3000	0.01	0.058	1516	3030

## 测微头 706 MICROMETER HEADS 706

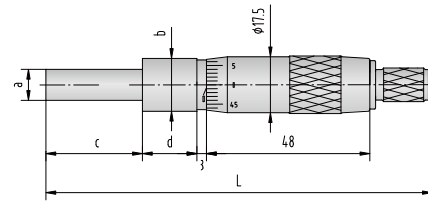
测微头螺距 0.5mm，测量面直径为6.5mm和8mm，夹持径12mm和13mm。符合GB标准。

The thread pitch is 0.5mm. The diameter of the measuring face is 6.5mm and 8 mm. The holding diameter is 12mm and 13 mm. It conforms to GB standard.

编 号 Item No.	测量范围 Measuring range	读数值 Reading value(mm)
706-01	0-25mm	0.01mm
-02	0-25mm	0.001mm



706



单位(unit):mm

a	b	c	d	L
φ6.5	φ12	28.2	17.2	117.5
φ8	φ13	31.2	20	120.5

## 内径千分尺 707 708 709 710 INSIDE MICROMETERS 707 708 709 710

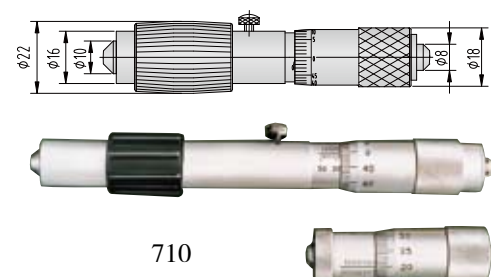
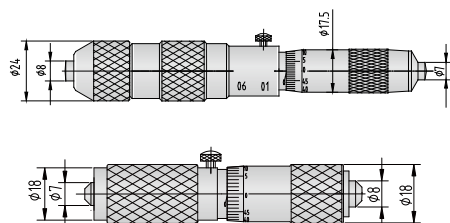
内径千分尺用于内尺寸精密测量（分单体式和接杆式）。符合GB标准。

The inside micrometers (solid and jointed types) are widely used for inside measurement. It conforms to GB standard.

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
707-01	50-250mm	0.01mm	0.266
-02	50-600mm		0.626
-03	50-1000mm		0.938
-04	50-1500mm		1.247
-05	2-10in	0.001in	0.262
-06	2-24in		0.617

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
708-01	150-2000mm	0.01mm	5.6
-02	150-3000mm		8.2
709-01	250-2000mm		7.0
-02	250-3000mm		9.6
-03	250-4000mm		19
-04	250-6000mm		26.2

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
710-01	50-75mm	0.01mm	0.071
-02	75-100		0.122
-03	100-125		0.131
-04	125-150		0.152
-05	150-175		0.169
-06	175-200		0.187
-07	200-225		0.204
-08	225-250		0.221
-09	250-275		0.239
-10	275-300		0.256
-11	2-3in	0.001in	0.074
-12	3-4in		0.128
-13	4-5in		0.143
-14	5-6in		0.168
-15	6-7in		0.189
-16	7-8in		0.228
-17	8-9in		0.232
-18	9-10in		0.253
-19	10-11in		0.275
-20	11-12in		0.296



710

## 螺纹千分尺 711

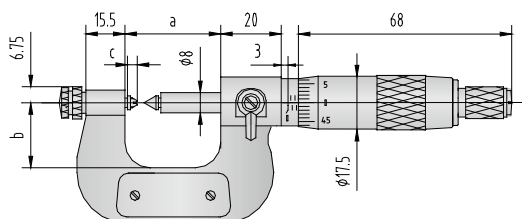
### THREAD MICROMETERS 711

螺纹千分尺具有60°锥型和V型测头，用于测量螺纹中径。符合GB标准。

The thread micrometers have a 60° measuring head. They can be used to measure the diameter of threads. It conforms to GB standard.



711



单位(unit):mm

测量范围 Measuring range	a	b	c
0-25	37.5	25.0	3
25-50	62.5	35.0	3.12
50-75	87.5	47.5	3.35
75-100	112.5	60.0	3.71
100-125	137.5	72.5	4.33
125-150	162.5	85.0	5.31

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
711-01	0-25mm	0.01mm	0.289
-02	25-50mm		0.377
-03	50-75mm		0.486
-04	75-100mm		0.644
-05	100-125mm		0.824
-06	125-150mm		1.022
-07	0-1in	0.001in	0.288
-08	1-2in		0.376
-09	2-3in		0.485
-10	3-4in		0.643
-11	4-5in		0.823
-12	5-6in		1.021

712

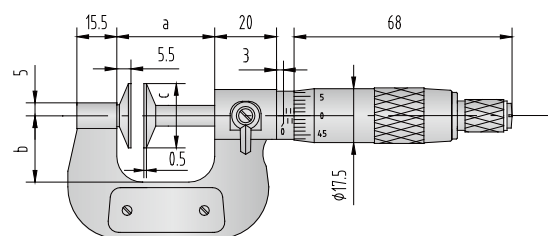


## 公法线千分尺 712

### GEAR TOOTH MICROMETERS 712

公法线千分尺用于测量齿轮公法线长度，是一种通用的齿轮测量工具。符合GB标准。

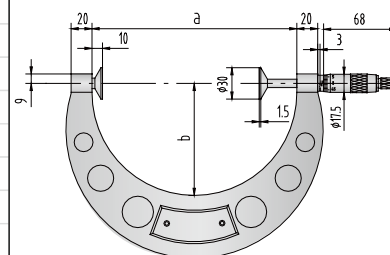
The gear tooth micrometers can be used to measure gear tooth. They are a universal measuring tool. It conforms to GB standard.



单位 (unit):mm

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
712-01	0-25mm	0.01mm	0.274
-02	25-50mm		0.356
-03	50-75mm		0.454
-04	75-100mm		0.600
-05	100-125mm		0.772
-06	125-150mm		0.961
-07	150-175mm		1.35
-08	175-200mm		1.62
-09	200-225mm		1.84
-10	225-250mm		2.03
-11	250-275mm		2.30
-12	275-300mm		2.68
-13	0-1in	0.001in	0.273
-14	1-2in		0.355
-15	2-3in		0.453
-16	3-4in		0.599
-17	4-5in		0.771
-18	5-6in		0.960

编 号 Item No.	a	b	c
712-01	37.5	25.0	Φ20
-02	62.5	35.0	Φ25
-03	87.5	47.5	Φ25
-04	112.5	60.0	Φ25
-05	137.5	72.5	Φ25
-06	162.5	85.0	Φ25
-07	196	107	
-08	221	119	
-09	246	132	
-10	271	144	
-11	296	157	
-12	321	169	



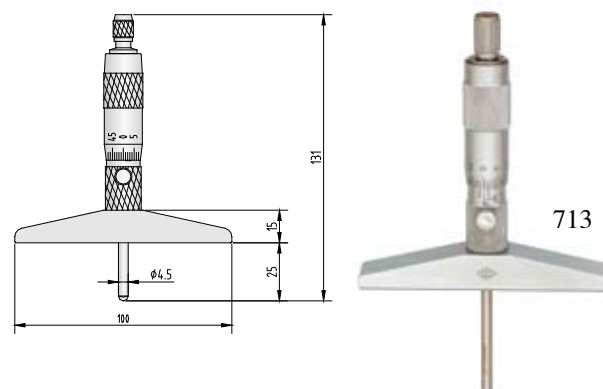
## 深度千分尺 713

### DEPTH MICROMETERS 713

深度千分尺用于机械加工中的深度，台阶等尺寸的测量。符合Q/HLR企业标准。

The depth micrometers are widely used to measure depth and step in machining. It conforms to Q/HLR standard of the enterprise.

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
713-01	0-25mm	0.01mm	0.275
-02	0-100mm		0.308
-03	0-150mm		0.345
-04	0-1in	0.001in	0.275
-05	0-4in		0.308
-06	0-6in		0.345



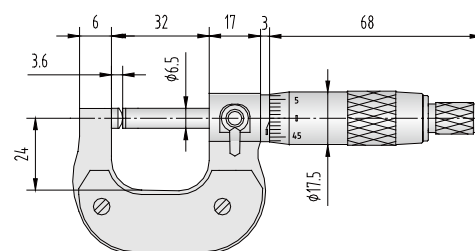
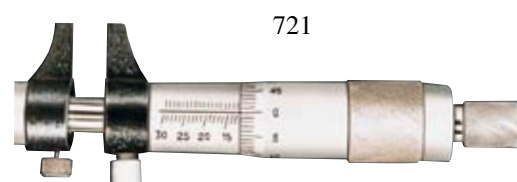
## 内测千分尺 721

### INSIDE MICROMETERS 721

内测千分尺用于精密零件的内尺寸测量。符合GB 标准。

The inside micrometers are used for measuring internal dimensions of various precision workpieces. It conform to GB standard.

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
721-01	5-30mm	0.01mm	0.139
-02	25-50mm		0.142



## 壁厚千分尺 719

### TUBE MICROMETERS 719

壁厚千分尺固定测砧为球面，适用于测量管壁厚度。符合GB 标准。

The fixed anvil of the tube micrometers has a spherical surface. They are suitable for measuring the thickness of tubes. It conforms to GB standard.

编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
719-01	0-25mm	0.01mm	0.208
-02	0-1in	0.001in	0.208



## 线径千分尺 722

### WIRE DIAMETER MICROMETERS 722

线径千分尺用于线材加工行业，用于测量线材的直径，具有使用简便，读数直观等优点。

The wire diameter micrometers are used for measuring wire diameter in wire processing, with the advantage of easy use and direct reading.



编 号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
722-01	0-10mm	0.01mm	0.181



## 带表外径千分尺 723

### OUTSIDE MICROMETERS WITH DIAL INDICATOR 723

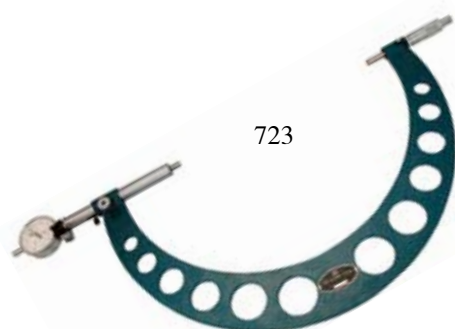
带表外径千分尺用于测量大中型工件外尺寸的高精度量具。它的主要优点是：可以用微分筒一端和表头一端分别进行工件尺寸的测量。尤其是使用表头一端测量时，读数更直观、方便，并具有刚性好、变形小、精度高的特点。

其技术要求执行企业Q/ALR 标准。

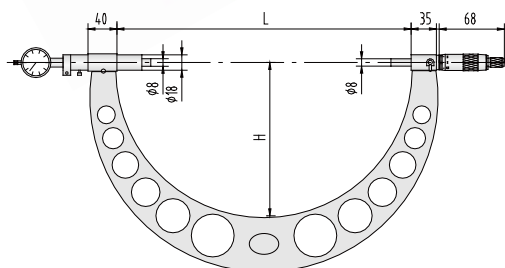
The outside micrometers with dial indicators are a high precision tool used to measure the outside measurement of large-sized and medium-sized workpieces. Their main advantages is that the measurement of the dimensions of workpieces can be made either by means of the dial indicator part or by means of the micrometer head part. Especially, when the measurement is made by means of the dial indicator, reading is more direct and convenient ,and the measurement also has the features of good rigidity,small deformation and high accuracy.

The technical specifications conform to the Q/ALR standard of the enterprise.

单位(unit):mm



编 号 Item No.	测量范围 Measuring range	读数 Reading value	质量 Weight(kg)	H	L
723-01	300~400	0.01	2.700	217	407
-02	400~500	0.01	3.700	267	507
-03	500~600	0.01	5.711	317	607
-04	600~700	0.01	7.211	367	707
-05	700~800	0.01	9.722	417	807
-06	800~900	0.01	12.722	467	907
-07	900~1000	0.01	16.722	517	1007



## 板厚千分尺 724

### MICROMETERS WITH DEEPLY INCURVED FRAME 724

板厚千分尺用于测量板材的厚度，有表盘式和微分筒式两种。表盘式尺架凹入深度为40mm，符合JB标准。微分筒式尺架凹入深度为200mm，符合Q/HLR企业标准。

其技术要求执行JB标准。

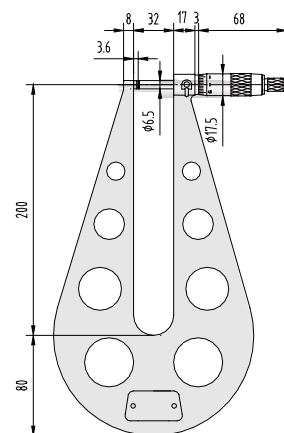
The micrometers with deeply incurved frame are used for measuring the thickness of plates and plate-like materials, and two types of the micrometers are available:dial type and micrometer head type.

The depth of the incurved frame for the dial type is 40mm, which conform to JB standard, and that for the micrometer type is 200mm, which conform to Q/HLR standard of enterprise.

The technical specifications conform to JB standard.



724



724-02

编 号 Item No.	测量范围 Measuring range	读数 Reading value	质量 Weight(kg)
724-01	0~10mm	0.01mm	0.266
724-02	0~25 mm		1.300





## 数显外径千分尺727

### OUTSIDE MICROMETERS WITH ELECTRONIC DISPLAY 727

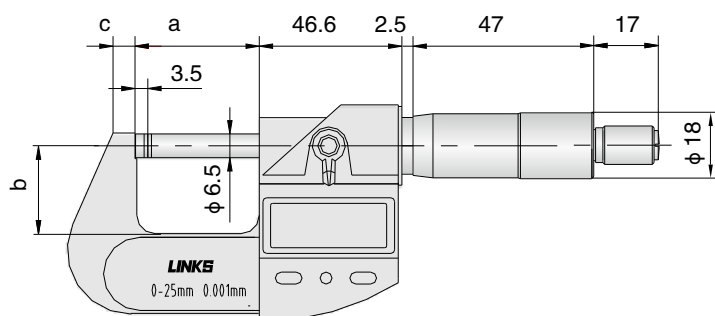
符合JB标准。

It conforms to JB standard.



单位 (unit) : mm

测量范围 Measuring range	a	b	c
0-25	34	23.7	6
25-50	58	32.0	10
50-75	84	44.5	10
75-100	109	57.0	13



#### 技术参数

#### SPECIFICATIONS

编号 Item No.	测量范围 Measuring range(mm)	分辨力 Resolution(mm)	示值误差 Indication error(mm)
727(I)-01	0-25	0.001	± 0.002
727(I)-02	25-50		± 0.002
727(I)-03	50-75		± 0.003
727(I)-04	75-100		± 0.003

#### 性能特点:

- 达到IP54防护等级标准。
- 通电后液晶显示值即为绝对测量的初始值。
- 硬质合金测量面，喷漆尺架。
- 一粒SR44电池，功耗<35 μ A，自动断电。

#### 功能:

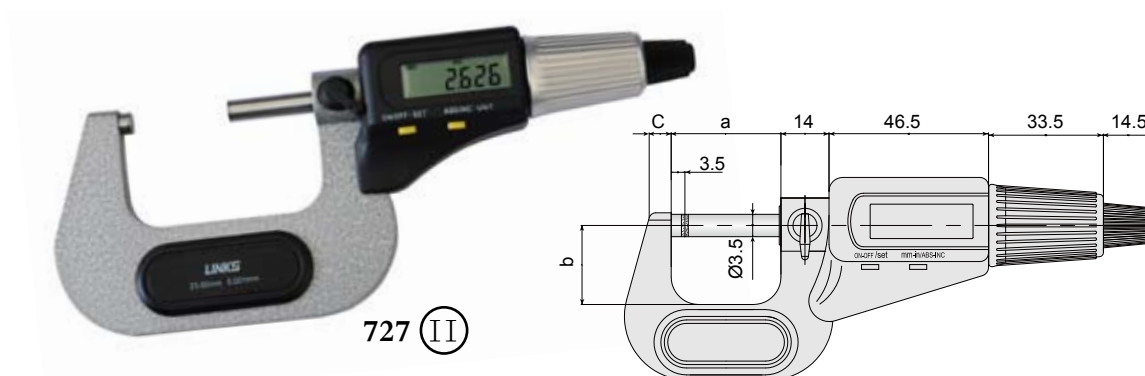
电源开关；初始值设置；公、英制转换；绝对测量和相对测量转换；时钟；RS232数据输出接口；接口电缆P1102；电池电压欠压报警。

#### FEATURES

- Protection class IP54.
- Display the original data of the absolute measurement after switch on.
- Hard metal measuring surfaces, painted frame.
- One SR44 battery, power consumption <35 μ A, auto power off.

#### FUNCTIONS:

Power switch; Original data set; mm/inch conversion; Absolute and relative measurement conversion; Clear LCD display; RS232 output interface; Low battery alarm.



## 技术参数 SPECIFICATIONS

单位 (unit) : mm

编号 Item No.	测量范围 Measuring range	分辨率 Resolution	示值误差 Indication error	a	b	c
727II-01	0-25	0.001	± 0.002	32	23.0	6
727II-02	25-50		± 0.002	57	32.0	8
727II-03	50-75		± 0.003	82	44.5	8
727II-04	75-100		± 0.003	107	57.0	10

### 性能特点:

- 通电后液晶显示值即为绝对测量的初始值。
- 硬质合金测量面, 喷漆尺架。
- 一粒SR44电池, 功耗<35  $\mu$  A, 自动断电。

### FEATURES

- Display the original data of the absolute measurement after switch on.
- Hard metal measuring surfaces, painted frame.
- One SR44 battery, power consumption <35  $\mu$  A, auto power off.

### 功能:

电源开关; 初始值设置; 公、英制转换; 绝对测量和相对测量转换; RS232数据输出接口; 接口电缆P1102; 电池电压欠压报警。

### FUNCTIONS:

Power switch; Original data set; mm/inch conversion; Absolute and relative measurement conversion; Clear LCD display; RS232 output interface; Low battery alarm.

## 尖头千分尺728 POINT MICROMETERS 728



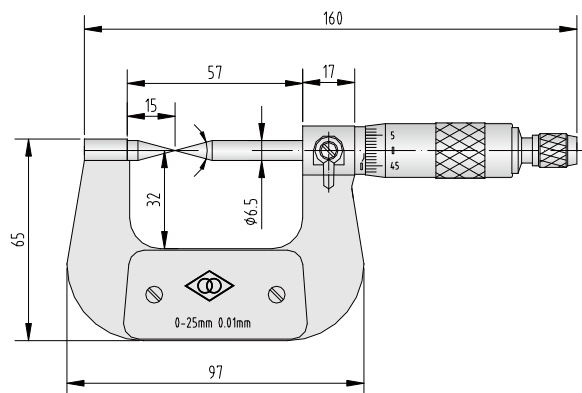
728

### 特点:

- 适用于测量钻头沟槽等不易测量的尺寸。符合GB标准。

### FEATURES:

- Pointed spindle and anvil for measuring drills, grooves and other hard-to-reach dimensions. It conforms to GB standard.



单位 (unit) : mm

编号 Item No.	测量范围 Measuring range	读数值 Reading value	示值误差 Indication error	质量(kg) Weight(kg)
728-01	0-25	0.01	0.004	0.320

## 小测头千分尺729

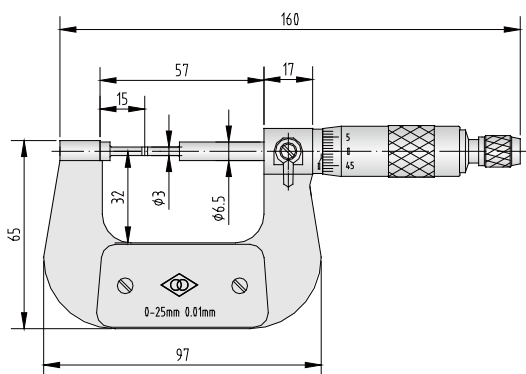
## SMALL MEASURING FACES MICROMETERS 729



单位(unit):mm

编号 Item No.	测量范围 Measuring range	读数值 Reading value	示值误差 Indication error	质量 Weight(kg)
729-01	0-25	0.01	0.004	0.310

729



### 特点:

- 适用于花键、键槽等零件的测量。
- 两测量面为硬质合金,喷涂尺架。

### FEATURES:

- Small measuring faces for measuring splined shafts, slots and keyways.
- Carbide measuring faces. Painted frame.

## 大量面固定测头千分尺730

## MICROMETERS WITH LARGE MEASURING FACES ON FIX ANVILS 730



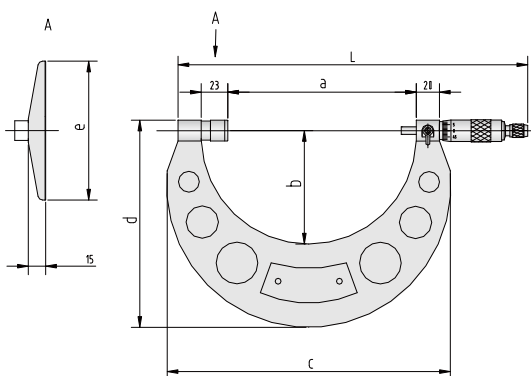
730

编号 Item No.	测量范围 Measuring range	读数值 Reading value	质量 Weight(kg)
730-01	100-125mm	0.01mm	1.055
730-02	125-150mm		1.29
730-03	150-175mm		1.475
730-04	175-200mm		1.72

大量面固定测头千分尺用于蜗杆外径和盘铣刀宽度等尺寸的测量,按Q/ALR企业标准或合同订货生产。

Micrometers with large measuring faces on fix anvils for measuring the dimensions such as the external diameters of worms and the widths of milling cutters, etc. They can be manufactured according to the enterprise standards Q/ALR or contract orders.

单位(unit):mm



测量范围 Measuring range	L	a	b	c	d	e
100-125	272	138	85.5	221	160	100
125-150	297	163	98	246	179	
150-175	322	188	110	272	195	110
175-200	347	213	123	298	214	

# 指示表 INDICATORS

## 百分表 千分表 801 802 803 DIAL INDICATORS 801 802 803

0-5mm, 0-10mm百分表是一种长度测量工具, 并广泛用于测量工件几何形状误差及位置误差, 可按GB、DIN、JIS、ISO 标准供货。

百分表具有宝石轴承防震机构, 使用寿命长, 精度可靠。

The 0-5mm, 0-10mm dial indicators are a length measuring tool. They are widely used for measuring the geometric deviation and position deviation of workpieces. They are made in accordance with GB, DIN, JIS and ISO standards.

The dial indicators are equipped with shockproof mechanism to ensure the reliable accuracy and long tool life.

千分表是一种高精度的长度测量工具, 广泛用于测量工件几何形状误差及相互位置误差。

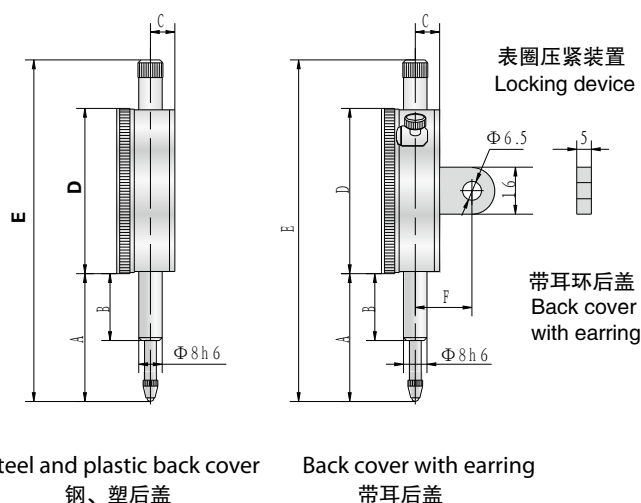
The 0.001mm dial indicators are a high accuracy length measuring tool. They are widely used for measuring the geometric deviation and position deviation of workpieces.



编 号 Item No.	测量范围 Measuring range	分度值 Graduation value	质量 Weight(kg)
801-01	0-5mm	0.01mm	0.211
-02	0-10mm		0.211
03	0-20mm		0.217
-04	0-30mm		0.217
-05	0-0.4in	0.0005in	0.216
-06	0-1in	0.001in	0.001in
-07	0-2in	0.001in	0.217

编 号 Item No.	测量范围 Measuring range	分度值 Graduation value	质量 Weight(kg)
802-01	0-3mm	0.01mm	0.117

编 号 Item No.	测量范围 Measuring range	分度值 Graduation value	质量 Weight(kg)
803-01	0-1mm	0.001mm	0.22
-02	0-0.04in	0.0001in	



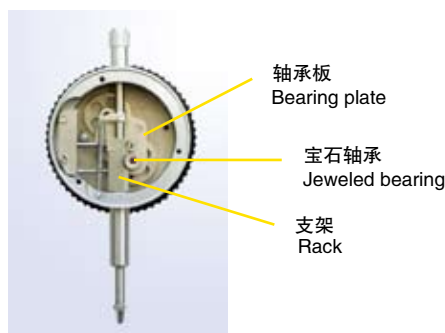
订货说明: 请按产品名称的测量范围及分度值的编号订货。 例: 百分表0-10mm 0.01mm, 标注为: 801-02

Note: Please mark item No., measuring range and graduation for order.  
Example: for dial indicator 0-10mm, 0.01mm, mark with: 801-002.

注: 根据用户要求, 可提供表圈压紧装置和带耳环后盖。  
Note: It can be offered locking device and back cover with earring according to customers' requirements.

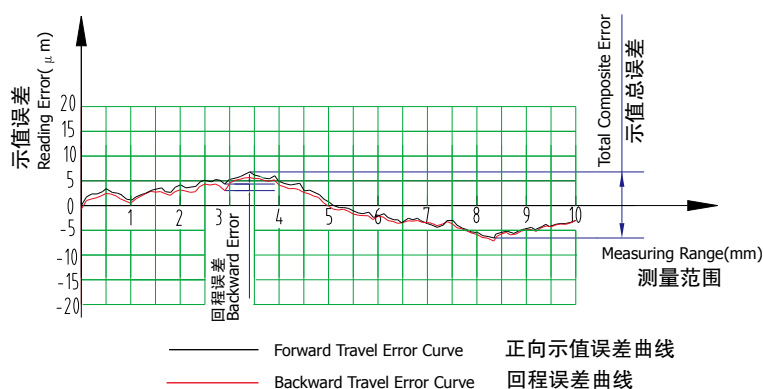


Item No 编 号	测量范围 Measuring range	A (mm)	B (mm)	C (mm)	D(mm) 细纹钢制外圈 Fine Steel External Ring	E (mm)	F (mm)
801-01	0-5mm	42.5	23.5	8.5	Φ58.2/Φ59.5	116.7	20
801-02	0-10mm	42.5	23.5	8.5	Φ58.2/Φ59.5	116.7	20
802-01	0-3mm	23.5	16	8	Φ58.2/Φ59.5	76	19
802-02	0-1mm	38.5	23.5	8.5	Φ58.2/Φ59.5	112.7	20



Precise test methods  
精密测试方法

## 误差分布图曲线 ERROR DISTRIBUTION CURVE



DIAL FACE COLOR  
表盘颜色



## 大量程百分表 801-008/009 0.01mm WIDE-RANGE DIAL INDICATORS 801-008/009

用于长度测量及形状偏差的测量，其技术要求符合国家标准。

The 0.01mm wide-range dial indicators are used for length measurements and the measurements of shape deviations. It conforms to GB standard.

编号 Item No.	测量范围 Measuring range	分度值 Graduation value	夹持套 Clamp sleeve
801-008	0-20mm	0.01mm	Φ8mm
801-009	0-30mm	0.01mm	Φ8mm



801-009

## 杠杆百分表 杠杆千分表 804 805

### DIAL TEST INDICATORS 804 805

杠杆表体积小，精度高，适应于一般指示表难以测量的场所，按国际标准，国家标准供货，有水平式（804）及端面式（805）两种型式，订货时请注明。

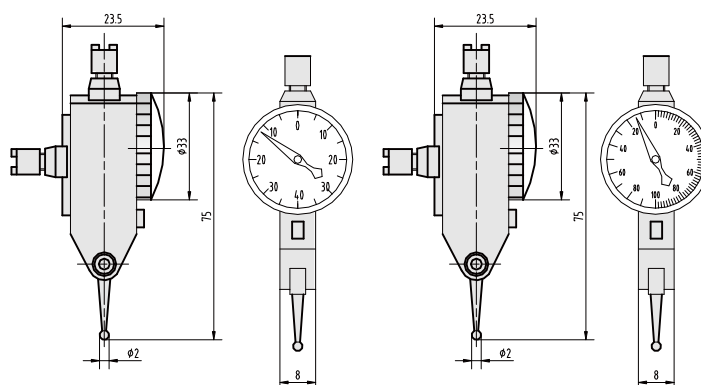
The dial test indicators have a small size and a high accuracy. They are suitable for those places where it is difficult to measure with common dial indicators. They are made in accordance with international standard (ISO) and national standard (GB). The level type dial test indicator (804) and the end type dial test indicator (805) are available for supply. Please specify for order.



805

804

编 号 Item No.	测量范围 Measuring range	分度值 Graduation value	质量 Weight(kg)
804-01 805-01	0-0.8mm	0.01mm	0.062 0.069
804-02 805-02	0-0.03in	0.0005in	0.062 0.069
804-03 805-03	0-0.2mm	0.002mm	0.06 0.068
804-04 805-04	0-0.008in	0.0001in	0.06 0.068



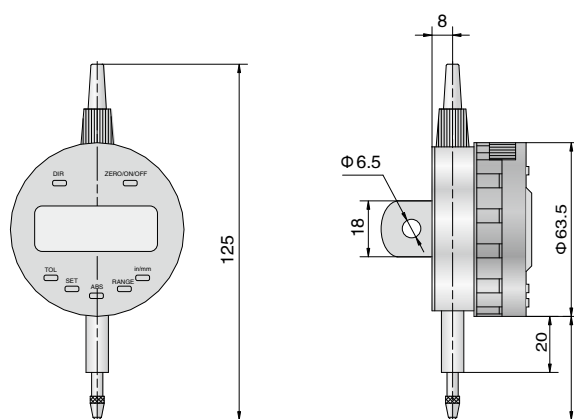
## 电子数显百分表、千分表( I 型)806

### ELECTRONIC DIGITAL INDICATORS TYPE I 806

符合GB标准。  
It conforms to GB standard.



#### 外部尺寸 EXTERNAL DIMENSION





## 性能及特点:

- 电源开关、置零 ( ZERO/ON/OFF )  
实现任意位置置零及电源的开关。
- 测量方向的转换 ( DIR )  
改变测量方向, 即测量时 "+" 、 "-" 符号的转换。
- 公差判别 ( TOL )  
设置和判别公差。
- 公英制转换 ( in/mm )  
测量结果的显示可采用公制或英制。
- 预置功能 ( SET )  
可设置绝对零点的起始点。
- 跳动量测量 ( RANGE )  
相对于标称尺寸的跳动量测量。
- 绝对测量 ( ABS )  
绝对测量与相对测量的转换。
- 显示窗口可以旋转320° 。
- 另有电压下限报警功能和RS-232C数据输出端口, 波特率9600。

## FEATURES:

- Zero Setting/Power Switch (ZERO/ON/OFF)  
Set zero point at any position and turn on or off.
- Direction Switch (DIR)  
Change the measuring direction. (+/-)
- Tolerance Measuring (TOL)  
Set tolerance and tolerance measurement.
- Unit Switch (in/mm)  
Display in inch or mm.
- Presetting (SET)  
Preset the absolute zero point.
- Measuring Range (RANGE).  
Measuring against nominal measurement.
- Mode Switch (ABS)  
Switch between relative and absolute measuring mode.
- The display window can be rotated within 320° .
- Interface with 9600 baud for connection to SPC systems

## 技术参数 SPECIFICATIONS

单位 ( unit ) : mm

编号 Item No.	分辨率 Resolution	示值误差 Indication error	测量范围 Measuring range	测速 Measuring speed
806-01	0.01	0.02	0 ~ 12.7	≤0.75m/s
806-04	0.001	0.005	0 ~ 6.5	≤0.6m/s

## 性能特点:

- 装夹套筒直径:  $\Phi 8 \begin{smallmatrix} 0 \\ -0.015 \end{smallmatrix} \text{mm}$
- 测量力:  $\leq 1.5\text{N}$
- 电源: SR44W
- 耗电量:  $\text{FGB006} \leq 45 \mu\text{A}$ ,  $\text{FGB013} \leq 20 \mu\text{A}$ 。
- 使用温度范围:  $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- 保存温度范围:  $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- 重量:  $\approx 135\text{g}$

## FEATURES:

- Diameter of the installing sleeve:  $\Phi 8 \begin{smallmatrix} 0 \\ -0.015 \end{smallmatrix} \text{mm}$
- Measuring force:  $\leq 1.5\text{N}$
- Power: SR44W
- Current consumption:  $\text{FGB006} \leq 45 \mu\text{A}$ ,  $\text{FGB013} \leq 20 \mu\text{A}$ 。
- Operating temperature:  $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- Storage temperature:  $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Weight:  $\approx 135\text{g}$

长期存放时, 建议放在温度不高于35℃, 相对湿度不超过80%的阴凉、通风、无腐蚀性气体的室内。

If electronic digital indicators are not used for a long time, they should be stored in a ventilated room, without direct sunlight and free of caustic gases where temperature is less than 35°C, The relative humidity should not exceed 80%.

## 电子数显百分表、千分表 II 型 ELECTRONIC DIGITAL INDICATORS TYPE II

符合GB标准。  
It conforms to GB standard.



### 性能特点:

- 电源开关 ( ON/OFF )  
电源的开关。
- 测量方向转换 ( +/ - )  
改变测量方向, 即测量时 "+"、" - " 符号的转换。
- 置零 ( ZERO )  
实现任意位置置零。
- 公英制转换 ( in/mm )  
测量结果的显示可采用公制或英制。 二进制输出格式, 配合专用接口, 专用接口波特率9600。

### FEATURES:

- Power Switch (ON/OFF)  
Turn on or off.
  - Direction Switch (DIR)  
Change the measuring direction. (+/-)
  - Zero setting (ZERO)  
Set zero point at any position.
  - Unit Switch (in/mm)  
Display in inch or mm.
- Measurements shown in metric or inch. Binary output system, special interface with 9600 bauds are available.



## 技术参数 SPECIFICATIONS

单位(unit): mm

编号 Order No.	分辨力 Resolution	示值误差 Indication error	测量范围 Measuring range	测速 Measuring speed
806-01A	0.01	0.02	0 ~ 12.7	≤ 0.75m/s
806-04A	0.001	0.005	0 ~ 6.5	≤ 0.6m/s

### 性能特点:

- 装夹套筒直径:  $\Phi 8 \begin{smallmatrix} 0 \\ -0.015\text{mm} \end{smallmatrix}$
- 测量力: ≤ 1.5N
- 电源: SR44W
- 耗电量: FGB006 ≤ 45  $\mu$  A, FGB013 ≤ 20  $\mu$  A。
- 使用温度范围: 0℃~40℃
- 保存温度范围: -10℃~60℃
- 重量: ≈ 110g

### FEATURES:

- Diameter of the installing sleeve:  $\Phi 8 \begin{smallmatrix} 0 \\ -0.015\text{mm} \end{smallmatrix}$ .
- Measuring force: ≤ 1.5N.
- Power: SR44W.
- Current consumption: FGB006 ≤ 45  $\mu$  A, FGB013 ≤ 20  $\mu$  A.
- Operating temperature: 0℃~40℃.
- Storage temperature: -10℃~60℃.
- Weight: ≈ 110g.

长期存放时, 建议放在温度不高于35℃, 相对湿度不超过80%的阴凉、通风、无腐蚀性气体的室内。

If electronic digital indicators are not used for a long time, they should be stored in a ventilated room, without direct sunlight and free of caustic gases where temperature is less than 35℃, The relative humidity should not exceed 80%.

## 内径百分表 内径千分表 808 809 810 811

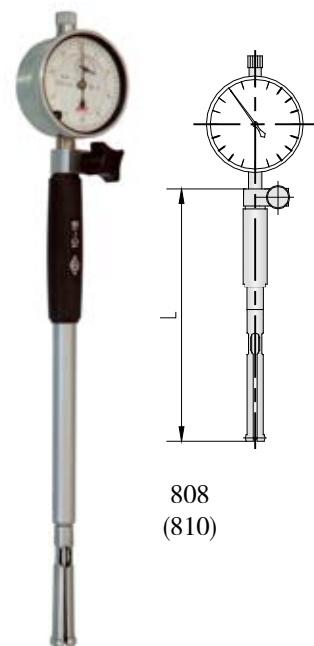
## BORE MEASURING INDICATORS 808 809 810 811

内径表是孔加工必备工具之一,适于测量不同直径和不同深度的孔。

The bore measuring indicators are one of the necessary tools for measuring holes.

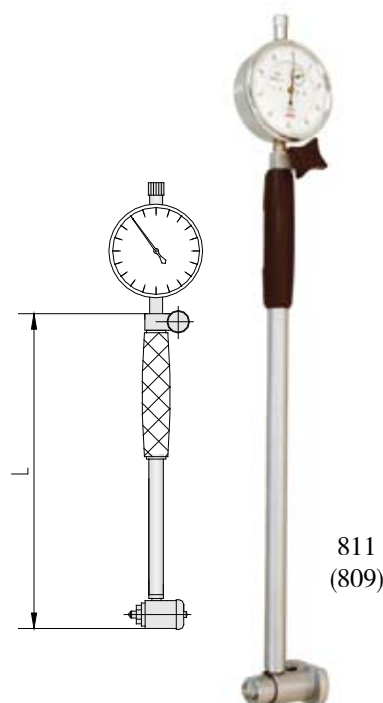
They can be used to measure holes with different diameters and different depths.

编 号 Item No.	测量范围 Measuring range	分度值 Graduation value	可测孔深 Measurable depth of holes	质量 Weight(kg)	备注 Note	L
808-01	3-4mm	0.01mm	20mm	0.146	胀簧式 Expanding head type JB标准 JB standard	76
-02	4-6mm		30mm	0.158		96
-03	6-10mm		40mm	0.185		140
-04	10-18mm		130mm	0.405		200
809-01	18-35mm		135mm	0.320	护桥式 Lockating bridge type GB标准 GB standard	224
-02	35-50mm		150mm	0.420		251
-03	50-100mm		200mm	0.595		346
-04	50-160mm		200mm	0.625		346
-05	100-160mm		300mm	1.120		410
-06	160-250mm		400mm	1.345		510
-07	250-450mm		500mm	1.955		610



808  
(810)

编 号 Item No.	测量范围 Measuring range	分度值 Graduation value	可测孔深 Measurable depth of holes	质量 Weight(kg)	备注 Note	L
810-01	6-10mm	0.001mm	40mm	0.185	胀簧式 Expanding head type Q/ALR	109
-02	10-18 mm		40mm	0.405		108
811-01	18-35mm		135mm	0.320	护桥式 Lockating bridge type GB标准 GB standard	
-02	35-50mm		150mm	0.420		
-03	50-100mm		200mm	0.595		
-04	50-160mm		200mm	0.625		
-05	100-160mm		300mm	1.120		
-06	160-250mm		400mm	1.345		
-07	250-450mm		500mm	1.955		



811  
(809)

## 扭簧比较仪 812 813 814

### MICROCATORS 812 813 814

扭簧比较仪主要用于测量工件形状误差和位置偏差， $\phi 8$  及  $\phi 28$  夹持套为标准尺寸，可方便地和其它测量装置及量仪配套使用。 $\phi 28$  符合 GB 标准， $\phi 8$  符合 JB 标准。

The microcators are mainly used to measure the shape deviation and position deviation of workpieces. The holder stems of  $\phi 8$  and  $\phi 28$  are standard in dimension. They can be used together with other measuring instruments.  $\phi 28$  conform to GB standard;  $\phi 8$  conforms to JB standard.

编 号 Item No.	测量范围 Measuring range	分度值 Graduation value	夹持套 Holder stem	质量 Weight(kg)
812-01	$\pm 0.3\text{mm}$	0.01mm	$\phi 28$	0.380
812-02	$\pm 0.15\text{mm}$	0.005mm		
812-03	$\pm 0.06\text{mm}$	0.002mm		
812-04	$\pm 0.03\text{mm}$	0.001mm		
812-05	$\pm 0.015\text{mm}$	0.0005mm		
812-06	$\pm 0.006\text{mm}$	0.0002mm		
813-01	$\pm 0.1\text{mm}$	0.001mm	$\phi 8$	0.415
814-01	$\pm 0.05\text{mm}$	0.001mm		0.205
814-02	$\pm 0.025\text{mm}$	0.0005mm		0.205
814-03	$\pm 0.1\text{mm}$	0.002mm	$\phi 8$	0.205



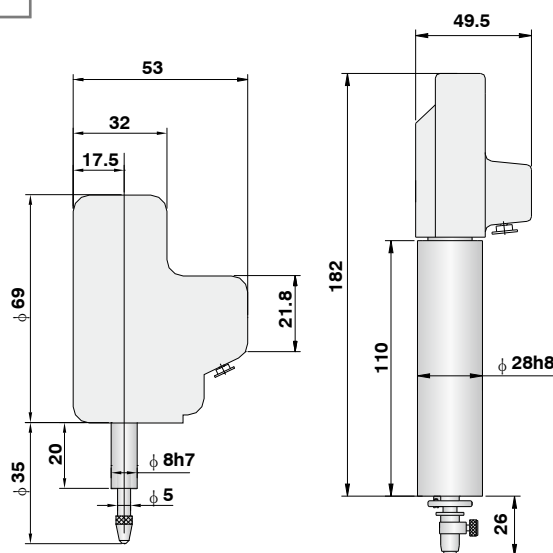
812-04



813-01



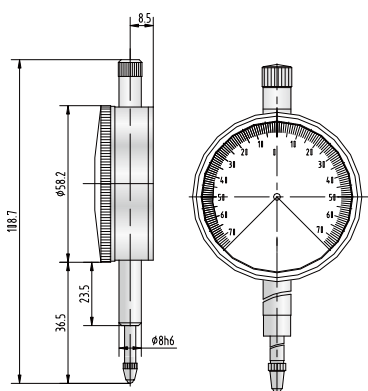
814-01





816-01

816-02



编 号 Item No.	测量范围 Measuring range	分度值 Graduation value	质量 Weight(kg)
816-01	$\pm 0.4\text{mm}$	0.01mm	0.117
816-02	$\pm 0.07\text{mm}$	0.001mm	0.220

## 百分比较仪、千分比较仪 816 0.01mm COMPARATORS AND 0.001mm COMPARATORS 816

百分比较仪、千分比较仪，用于测量工件尺寸及形位误差。具有精确度高的特点。设有红、黄、绿三种颜色表盘，表盘在光线明暗不同场地时，具有颜色柔和、读数清晰、保护视力等作用。

其技术要求符合企业Q/HLR标准。

The 0.01mm and 0.001mm comparators are used for measuring dimension tolerance and shape and position tolerance of workpieces, and they have the feature of high accuracy .

The dials are in red, yellow and green ,and have effects such as soft colour, clear reading and vision protection at places with different brightness.

Their technical specifications conform to Q/HLR enterprise standard.

## 对刀器 817 TOOL ADJUSTERS 817

对刀器是加工中心及数控机床必备附件之一。用以对刀具长度补偿的一种测量装置。它具有方便、对刀准确、效率高等特点；缩短了加工准备时间。其技术要求执行企业标准。

The tool adjusters are one of the necessary accessories for machining centers and CNC machines as well as a measuring instrument for compensating for the length of tools.They have the features of adjusting tools conveniently, accurately and efficiently, and they shorten the time of machining preparation.

Their technical specifications conform to the standard of the enterprise.



817

编 号 Item No.	公称尺寸 Nominal size	分度值 Graduation value	质量 Weight(kg)
817-01	50mm	0.01mm	1.415

## 双面百分表 818

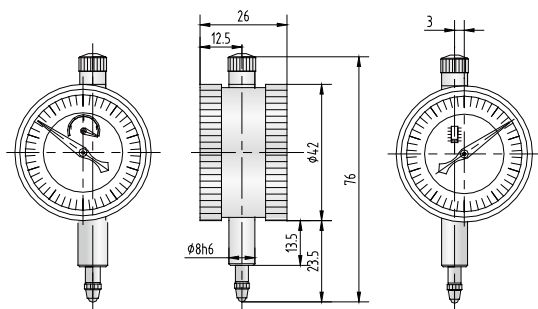
### DOUBLE-SIDED 0.01mm DIAL INDICATORS 818

双面百分表主要用于需同时双面读数的场合。其它使用功能与普通百分表相同。

其技术要求符合企业标准。

The double-sided 0.01mm dial indicators are mainly used in the cases where double-sided reading is required at the same time. Their other functions are the same as those of common dial indicators.

Their technical specifications conform to the standard of the enterprise.



编 号 Item No.	测量范围 Measuring range	分度值 Graduation value	质量 Weight(kg)
818-01	0~3mm	0.01mm	0.113

## 深度百分表 819

### 0.01mm DEPTH DIAL INDICATORS 819

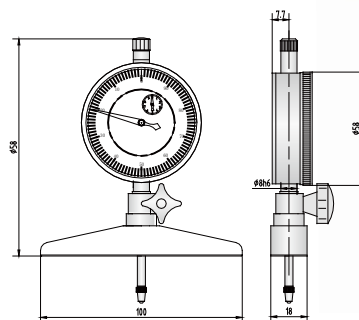
深度百分表用于工件深度、台阶等尺寸的测量。具有测量可靠、精度高的特点。

其技术要求符合JB标准。

The 0.01mm depth dial indicators are suitable for measuring such dimensions of workpieces as depth, step, etc., and they have the features of reliable measurement and high accuracy.

Their technical specifications conform to JB standard.

编 号 Item No.	测量范围 Measuring range	分度值 Graduation value	质量 Weight(kg)
819-01	0~100mm	0.01mm	0.400



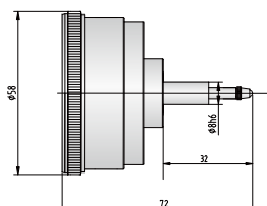
## 端面百分表 820

### 0.01mm END-TYPE DIAL INDICATORS 820

用于特定场合的测量。其技术要求执行企业标准。

The 0.01mm end-type dial indicators can be used for the measurement in special cases. Their technical specifications conform to the enterprise standard.

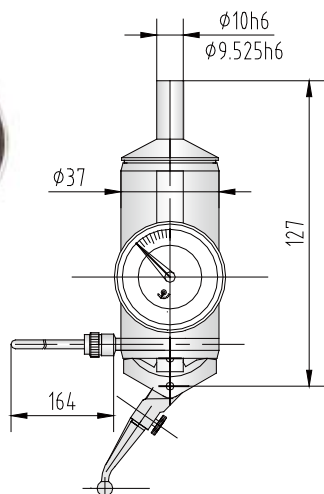
编号 No.	示值范围 Range of indicating values	分度值 Graduation value
820	0~3mm	0.01mm







821



## 定中心杠杆表 821

### CENTERING DIAL TEST INDICATORS 821

定中心杠杆表，用于确定工件内，外中心与机床主轴中心的相对位置。它具有当心轴旋转，指示器总是面对操作者的特点。其技术指标执行企业标准。

The centering dial test indicators are used for determining the positions of centers of inside and outside cylindrical surfaces of workpieces in relation to the centers of spindle of the machine tool. It has the feature that the indicator always faces the operator while the spindle is rotating. Its technical requirement is in accordance with the enterprise standard.

编号 Item No.	测量范围 Measuring range	分度值 Graduation value	夹持部分 Holder	质量 (kg) Weight(kg)
821-01	0~3	0.01	$\Phi 10h6$	0.374
821-02	0~0.15"	0.0005"	$\Phi 9.525 h6$	0.374



## 磁力表架 822

### MAGNETIC BASES FOR DIAL INDICATORS 822

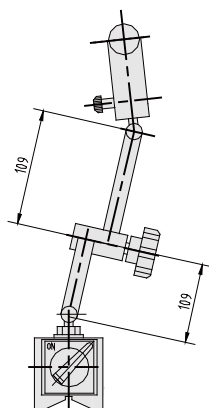
工作时表架座可水平或垂直吸附在钢铁上。配备  $\phi 6$ 、 $\phi 8$  两种夹孔的夹头，WCZ-6B型采用万向节结构，调整更方便，并可进行微动调整。其技术要求符合行业标准。

The magnetic bases can be horizontally or vertically attracted onto steel and iron. Two types of clamping holders with the hole diameters of  $\phi 6$  and  $\phi 8$  are available. The WCZ-6B type applies the structure of universal joint, so that the adjustment is more convenient and fine adjustment can also be made. Their technical specifications conform to trade standard.



822-01

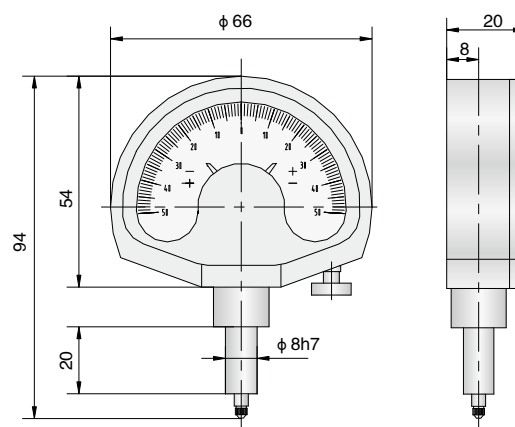
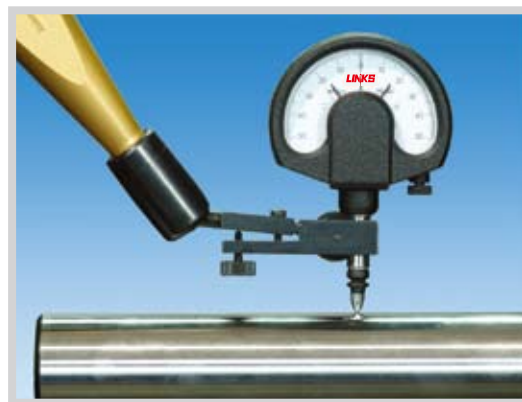
822-02





## 杠杆齿轮比较仪815 MECHANICAL DIAL COMPARATORS 815

符合GB标准。  
It conforms to GB standard.



### 性能特点:

- 高准确度 (7 钻)
- 防震
- 防水防尘
- 读数方便
- 有微调机构
- 快门线提升测轴

### FEATURES:

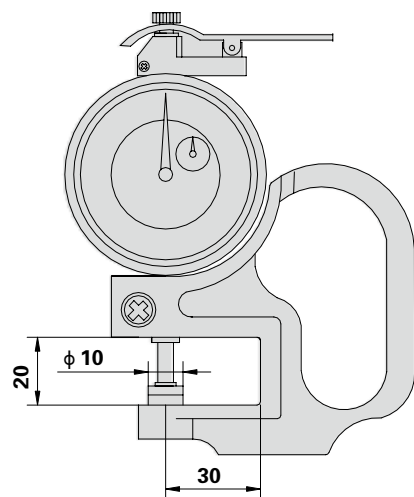
- Maximum accuracy (7 rubies)
- Shockproof
- Water and dust proof
- Easy reading
- Easy to set with fine adjustment screw
- Cable release for lifting the measuring rod

### 技术参数 SPECIFICATIONS

编号 Item No.	分度值 Graduation value	测量范围 Measuring range	表盘示值 Dial reading	允许误差 Permissible error	测力 Measuring Force
815-01	0.001mm	$\pm 0.050\text{mm}$	50-0-50 $\mu\text{m}$	1.2 $\mu\text{m}$	$\leq 1\text{N}$

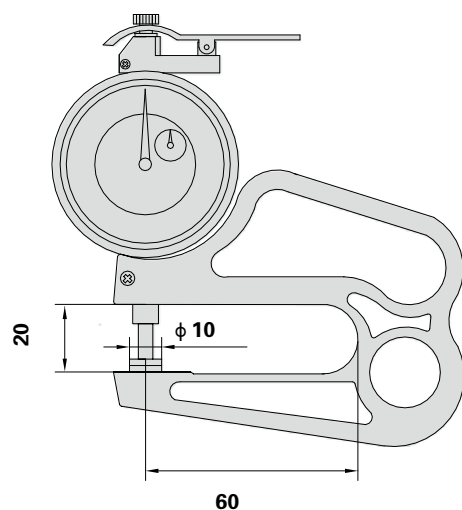
## 测厚规 THICKNESS GAUGES

符合JB标准。  
It conforms to JB standard.



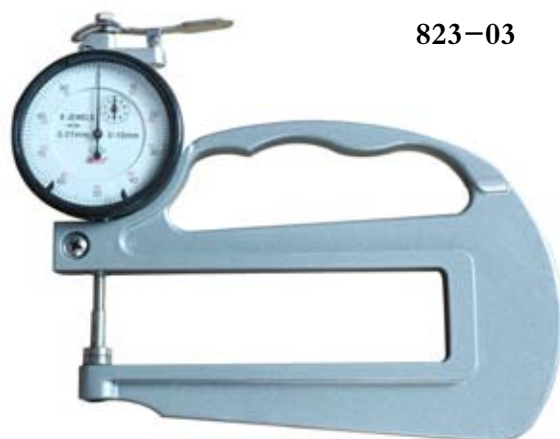
823-01

编号 Item No.	测量范围(mm) Measuring range	分度值(mm) Graduation value	测量跨度(mm) Depth	备注 Note
823-01	0-10mm	0.01mm	30mm	配防震表 with shockproof dial indicators

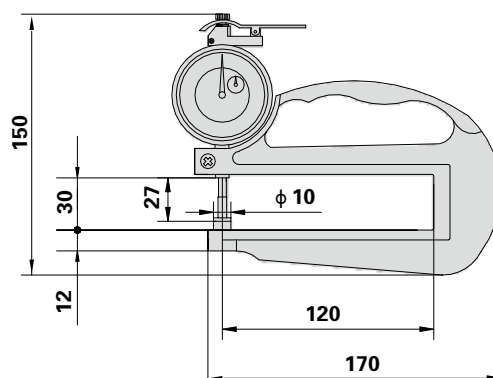


823-02

编号 Item No.	测量范围(mm) Measuring range	分度值(mm) Graduation value	测量跨度(mm) Depth	备注 Note
823-02	0-10mm	0.01mm	60mm	配防震表 with shockproof dial indicators



823-03



编号 Item No.	测量范围(mm) Measuring range	分度值(mm) Graduation value	测量深度(mm) Depth	备注 Note
823-03	0-10mm	0.01mm	120mm	配防震表 with shockproof dial indicators

### 性能及特点:

- 测厚规主要用于测量纸张、皮革、橡胶、织物及金属板材、玻璃等的厚度。
- 测厚规的测力可根据用户的要求制造。

### FEATURES:

- Thickness gauges are mainly used for measuring thickness of paper, leather, rubber, fabric, metal plate and glass, etc.
- Measuring forces of thickness gauges can be produced according to the customers' requirements.

## 公制带表外卡规824

## METRIC DIAL OUTSIDE CALIPER GAUGES 824

符合JB标准。

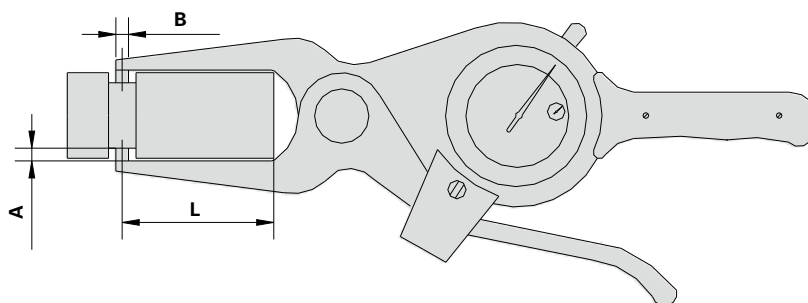
It conforms to JB standard.



824



编号 ItemNo.	测量范围(mm) Measuring range	分度值(mm) Graduation vaule	外形尺寸(mm) External dimension		
			A	B	L
824-01	0-20	0.01	6	φ 3	60
824-02	20-40	0.01	8	φ 3	60
824-03	40-60	0.01	8	φ 3	60
824-04	60-80	0.01	8	φ 3	50
824-05	80-100	0.01	8	φ 3	50
824-06	100-120	0.01	8	φ 3	60



### 性能及特点:

- 带表外卡规是一种实用性较强的专用精密量具
- 可用于测量外径、环形槽底外径、板厚等尺寸及其偏差

### FEATURES:

- The outside dial caliper gauges are a kind of more practical special precision measuring tools.
- For measuring dimension and deviation of outside diameter, outside diameter of circular grooves, plate thickness, etc.

## 公制带表内卡规825

## METRIC DIAL INSIDE CALIPER GAUGES 825

符合JB标准。

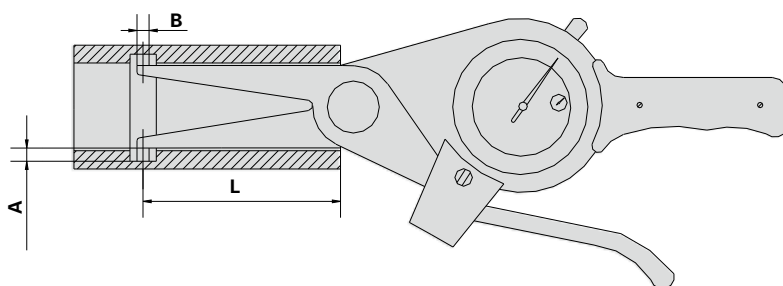
It conforms to JB standard.



825



编号 Item No.	测量范围(mm) Measuring Range	分度值(mm) Graduation value	外形尺寸(mm) External dimension		
			A	B	L
825-01	15-35	0.01	3	φ3	50
825-02	35-55	0.01	6	φ3	80
825-03	55-75	0.01	8	φ3	90
825-04	75-95	0.01	8	φ3	100
825-05	95-115	0.01	10	φ3	120
825-06	115-135	0.01	10	φ3	140
825-07	135-155	0.01	10	φ3	140



### 性能及特点:

- 带表内卡规是一种实用性较强的专用精密量具
- 可用于测量内径、深孔沟槽直径。
- 检测直观

### FEATURES:

- The inside dial caliper gauges are a kind of more practical special precision measuring tools.
- For measuring dimension and deviation of inside diameter, diameter of deep hole flute.
- Direct reading

# 量块

# GAUGE BLOCKS

## 量块 901 902

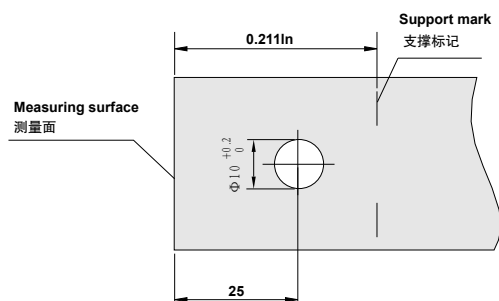
## GAUGE BLOCKS 901 902

量块是长度计量的实物基准，量块的各项精度指标符合国家标准及国际标准，也可按DIN861，ASME B89.1.9标准供货。

The gauge blocks are length measuring standards. They are used for length measurement. The accuracies conform to GB and ISO standards. Gauge blocks with DIN861, ASME B89.1.9 standards can also be provided.

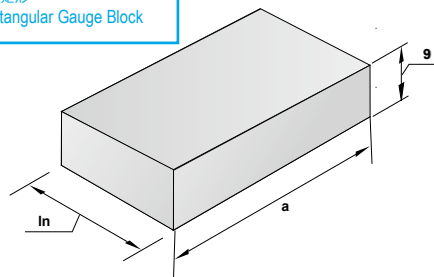


901/902



连接孔尺寸及位置， $ln > 100mm$ ，及支撑点在测量过程中的位置。  
The size and position of connecting holes,  $ln > 100mm$ , and the position of supporting point during measurement.

量块矩形  
Rectangular Gauge Block



■注 (Note) :  $ln \leq 10mm, a=30$ ;  $ln > 10mm, a=35$ .

## 陶瓷量块 901A 902A

## CERAMIC GAUGE BLOCKS 901A 902A

陶瓷量块，材料为二氧化锆，硬度为HV1100，热膨胀系数接近于钢，具有高强度、不腐蚀、高硬度的特点，使用寿命是钢制量块的10倍。符合JB标准。

Ceramic gauge blocks, have zirconium dioxide as material. The strength of the ceramic gauge blocks is improved by conversion and toughening, and they are corrosion resistant and can be used in the cases where acids and alkalines may cause corrosion. Their service life is 10 times as much as that of steel gauge blocks. Their hardness is HV1100. Their thermal expansion coefficient is near to that of steel. It conforms to JB standard.

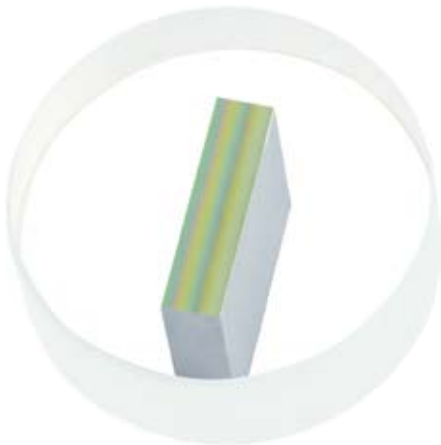


901A/902A



量块成套表 CAUGE BLOCK SET TABLE

ISO 3650



编 号 Item No.	总块数 Pcs.per set	级别 Class	标称长度系列 (毫米) Series of nominal size (mm)	间隔 Step (mm)	块数 Blocks in set	质量 Weight (kg)
901-01	91*	0,k,1,2	0.5,1.0 1.001,1.002,1.003.....1.009 1.01,1.02,1.03.....1.49 1.5,1.6,1.7.....1.9 2.0,2.5,3.0.....9.5 10,20,30.....100	- 0.001 0.01 0.1 0.5 10	2 9 49 5 16 10	1.843 (1.433)
-02	83*	0,k,1,2 (3)	0.5,1.0,1.005 1.01,1.02,1.03.....1.49 1.5,1.6,1.7.....1.9 2.0,2.5,3.0.....9.5 10,20,30.....100	- 0.01 0.1 0.5 10	3 49 5 16 10	1.764 (1.371)
-03	46*	0,k,1,2 (3)	1.0 1.001,1.002,1.003.....1.009 1.01,1.02,1.03.....1.09 1.1,1.2,1.3.....1.9 2,3,4.....9 10,20,30.....100	- 0.001 0.01 0.1 1 10	1 9 9 9 8 10	1.580 (1.228)
-04	38*	0,k,1,2,(3)	1.0,1.005 1.01,1.02,1.03.....1.09 1.1,1.2,1.3.....1.9 2,3,4.....9 10,20,30.....100	- 0.01 0.1 1 10	2 9 9 8 10	1.563 (1.215)
-05	10-	0,1	0.991,0.992,0.993.....1	0.001	10	0.021
-06	10+	0,1	1,1.001,1.002.....1.009	0.001	10	0.021
-07	10-	0,1	1.991,1.992,1.993.....2	0.001	10	0.04
-08	10+	0,1	2,2.001,2.002.....2.009	0.001	10	0.042
-09	8	0,1,2	125,150,175,200 250,300,400,500		8	5.020
-10	5	0,1,2	600,700,800,900,1000		5	9.780

注:括号内为陶瓷量块质量

Note:In the parenthesis is the weight of ceramic gauge blocks.

DIN 861



编 号 Item No.	总块数 Pcs.per set	级别 Class	标称长度系列 (毫米) Series of nominal size (mm)	间隔 Step (mm)	块数 Blocks in set	质量 Weight (kg)
901-11	103*	0,k,1,2	1.005; 1.01;1.02;1.03.....1.49 0.5;1;1.5;.....24.5 25,50,75,100	- 0.01 0.5 25	1 49 49 4	2.165 (1.683)
-12	87*	0,k,1,2	1.001,1.002,1.003.....1.009 1.01,1.02,1.03.....1.49 0.5,1,1.5.....9.5 10,20,30.....100	0.001 0.01 0.5 10	9 49 19 10	1.78 (1.385)
-13	76*	0,k,1,2	1.005, 1.01,1.02,1.03.....1.49 0.5,1,1.5.....9.5 10,20,30,40,50 25,100	- 0.01 0.5 10 -	1 49 19 5 2	1.02 (0.793)
-14	47*	0,k,1,2	1.005 1.01,1.02,1.03.....1.19 1.2,1.3,1.4.....1.9 1,2,3.....9 10,20,30.....100	- 0.01 0.1 1 10	1 19 8 9 10	1.515 (1.178)
-15	32*	0,1,k,2	1.005 1.01,1.02,1.03.....1.09 1.10,1.20,1.30.....1.90 1,2,3.....9 10,20,30,50	- 0.01 0.1 1 -	1 9 9 9 4	0.412 (0.320)

注:括号内为陶瓷量块质量

Note:In the parenthesis is the weight of ceramic gauge blocks.





## ASME B89.1.9-2002

编 号 Item No.	总块数 Pcs.per set	级别 Class	公称尺寸系列 (毫米) Series of nominal size (mm)	间隔 Step (mm)	块数 Blocks in set	质量 Weight (kg)
901-16	112	0级 AS-1级 AS-2级	0.5,1.0,1.0005 1.001;1.002;1.003.....1.009 1.01;1.02;1.03.....1.49 1.5;2.0;2.5.....25 50,75,100	- 0.001 0.01 0.5 25	3 9 49 48 3	2.317 (1.801)
-17	88	0级 AS-1级 AS-2级	0.5,1.0,1.0005 1.001;1.002;1.003.....1.009 1.01;1.02;1.03.....1.49 1.5;2.0;2.5.....9.5 10;20;30.....100	- 0.001 0.01 0.5 10	3 9 49 17 10	1.784 (1.387)
-18	45	0级 AS-1级 AS-2级	1.001,1.002.....1.009 1.01,1.02,1.03.....1.09 1.1,1.2.....1.9 1;2;3.....9 10,20.....90	0.001 0.01 0.1 1 10	9 9 9 9 9	1.456 (1.132)

注:括号内为陶瓷量块质量

Note:In the parenthesis is the weight of ceramic gauge blocks.



## 英制量块成套表

## INCH SYSTEM GAUGE BLOCK SET TABLE ASME B89.1.9-2002

编 号 Item No.	总块数 Pcs.per set	级别 Class	公称尺寸系列 (英寸) Series of nominal size (in)	间隔 Step (in)	块数 Blocks in set	质量 Weight (kg)
902-01	88	0级 AS-1级 AS-2级	0.050;0.0625;0.0781125; 0.093750,0.109375 0.100;0.100025 0.100050;0.100075; 0.1001;0.1002,0.1003,..0.1009 0.101;0.102;0.103.....0.149 0.150;0.200.....0.950 1.000;2.000;3.000;4.000	- - 0.000025 0.0001 0.001 0.050 1.000	3 2 4 9 49 17 4	1.57 (1.220)
-02	81	0级 AS-1级 AS-2级	0.1001; 0.1002;.....0.1009 0.101;0.102;.....0.149 0.050;0.100.....0.950 1.000;2.000;3.000;4.000	0.0001 0.001 0.050 1.000	9 49 19 4	1.521 (1.182)
-03	36	0级 AS-1级 AS-2级	0.050 0.1001;0.1002.....0.1009 0.101;0.102.....0.109 0.110;0.120.....0.190 0.100;0.200;.....0.500 1.000;2.000;4.000	- 0.0001 0.001 0.010 0.100 -	1 9 9 9 5 3	0.7 (0.544)
-04	8	0级 AS-1级 AS-2级	5, 6, 7, 8 10 12 16 20	1 2 4	4 2 2	5.05

注:括号内为陶瓷量块质量

Note:In the parenthesis is the weight of ceramic gauge blocks.



## 多值角度块 906 SOLID ANGLE PLATES 906

多值角度块 90°、60°、45°、30° 角度计量基准，用于机械加工的检测。符合JB标准。

The solid angle plates are standards for measuring 90°, 60°, 45°, 30° angles, and they are used for inspection in machining. It conforms to JB standard.

编 号 Item No.	工作角公称值 Nominal angle	精 度 Accuracy	质 量 Weight(kg)
906-01	45°×45°×90° 30°×60°×90°	± 20"	0.31



906

## 单值角度块 907 ANGLE BLOCKS 907

单值角度块是一种角度计量基准。精度：± 20 "。符合JB标准。

The angle blocks are standards for measuring angles. The accuracy is ± 20 ". It conforms to JB standard.

编 号 Item No.	工作角公称值 Nominal angle	质 量 Weight(kg)
907-01	0.25°、0.5°、1° 2°、3°、4°、 5°、10°、15° 20°、25°、30°	1.34

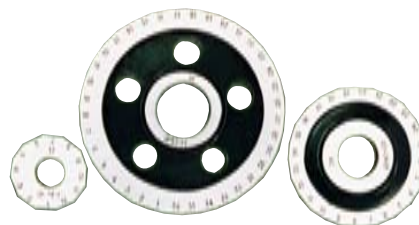


907

## 正多面棱体 912 PRECISION POLYGONS 912

正多面棱体作为计量基准，角度传递基准，已被广泛应用。符合JB标准。

The precision polygons are easy and accurate angular standards for angle measurement and calibration. It conforms to JB standard.



912

编 号 Item No.	面 数 No. of sides	级 别 Class	质 量 Weight(kg)
912-01	12	0,1,2,3	0.658
-02	18		0.8
-03	24		1.16
-04	36		2.43
-05	72		6.68

级 别 Class	工作角度偏差 Deviation of working angle(")	工作面平面度 Flatness of working table (μm)
0	± 1	0.03
1	± 2	0.05
2	± 5	0.05
3	± 10	0.10

订货说明：

请按产品编号和面数及其级别订货。例：正12面体1级，标注为：912-01-1级

Note: Please mark item, No. of sides and classes for order. Example: for 12-side polygons, class 1, mark with class 912-01-1.

## 刀口尺 915 STRAIGHT EDGES 915

符合GB标准。  
It conforms to GB standard.



915

Item No.	规格 Specifications	级别 Class
915	75、125、175、200	0, 1

## 宽座角尺 916 WIDE-BASE ANGLE SQUARES 916

可精确测量工件内角、外角的垂直度偏差，其技术要求符合国家标准。

The wide-base angle squares can be used to accurately measure the verticality deviation of the internal angles and external angles of workpieces, and their technical specifications conform to GB standard.

编号 Item No.	规格 Specifications	级别 Class
916-01	63x40	0, 1, 2
-02	125x80	
-03	200x125	
-04	315x200	



916

## 数显卡尺检定专用量块 918

### SPECIAL GAUGE BLOCKS FOR TESTING DIGITAL CALIPERS 918

数显卡尺检定专用量块是一种长度计量基准，主要用于数显卡尺示值误差的检定，精度分为2、3级。

The special gauge blocks for testing digital calipers are length measuring standards, mainly used for testing the indication error of digital calipers, with grade 2 and grade 3 accuracies.



918

编 号 Item No.	规格 Specification	总块数 Pcs. per set	级别 Class	尺寸系列 Size series	间隔 Step	块数 Blocks in set
918-01	0 – 150 数显卡尺 检定专用量块 (7) Gauge blocks for 0 – 150 mm digital calipers(7)	20	2、3	5,10,15,20,.....50	5	10
				60, 70, 80, 90.....150	10	10
918-02	0 – 200 数显卡尺 检定专用量块 (8) Gauge blocks for 0 – 200 mm digital calipers(8)	20	2、3	10, 20, 30, 40 , .....200	10	20
918-03	0 – 300 数显卡尺 检定专用量块 (9) Gauge blocks for 0 – 300 mm digital calipers(9)	20	2、3	15, 30, 45 , 60,.....300	15	20

## 量块夹子 919

### GAUGE BLOCK CLIPS 919

我公司生产的量块夹子可将(125–1000)mm的大量块中的任意两块进行连接，并且可以将多个量块连接在一起，以及同夹持滑块进行连接，连接后进行精密刻线、测量、检测等。符合JB标准。

The gauge block clips manufactured by our company can connect any two pieces of big gauge blocks with the size of 125–1000mm together and connect several pieces of such gauge blocks together, and also connect clamp slides together, to make precision scribing, measurement, testing, etc. It conforms to JB standard.



919

# 量规

# GAUGES

## 量针 921

## WIRE GAUGES 921

量针是一种测量螺纹中径的工具。符合JB标准。

The wire gauges are a most reliable tool for measuring the pitch diameter of the external thread, the most important dimension of a thread. It conforms to JB standard.



921

级别 Class	尺寸偏差 Measurement deviation	圆度公差 Roundness tolerance
	μm	
0	± 0.25	0.25
1	± 0.5	0.5

编 号 Item No.	级别 Class	量 针 直 径 Wire gauge diameter(mm)
921-01	0;1	0.118,0.142,0.185,0.250,0.291,0.343, 0.433,0.511,0.572,0.742,0.796,0.866, 1.008,1.157,1.302,1.441,1.553,1.732, 1.833,2.050,2.311,2.595,2.886,3.106, 3.177,3.550,4.120,4.400,4.773,5.150, 6.212

订货说明:

请按其产品编号、直径及级别订货。例: 量针0.118 1级, 标注为: 921-01-0.118/1

Note: Please mark item No., diameter and class for order. Example: for wire gauge 0.118, class 1, mark with 921-01-0.118/1

## 针规 922

## PIN GAUGES 922

针规适用于机械加工中孔径、孔距、内螺纹小径的测量, 特别适于弯曲槽宽及模具尺寸的测量。按用户要求生产。

The pin gauges are used to measure hole diameters, hole distance, the pitch diameter of the thread, etc. Especially, they are suitable for curved groove width measurement. Manufacture by customers' requests.



922

编号 Item No	标称直径 Nominal diameter	精度 Accuracy	长度 length	数量 Quantity	质量 Weight ( Kg )
922-01	0.1; 0.11; 0.12...0.6	±0.001mm ±0.002mm	50mm	51	0.005
922-02	0.60; 0.61; 0.62...1.1				0.018
922-03	1.1; 1.11; 1.12...1.6				0.039
922-04	1.60; 1.61; 1.62...2.1				0.068
922-05	2.1; 2.11; 2.12...2.6				0.105
922-06	2.61; 2.62; 2.63...3.1				0.149
922-07	3.1; 3.11; 3.12...3.6				0.202
922-08	3.60; 3.61; 3.62...4.1				0.262
922-09	4.1; 4.11; 4.12...4.6				0.330
922-10	4.60; 4.61; 4.62...5.1				0.405
922-11	5.1; 5.11; 5.12...5.6				0.489
922-12	5.61; 5.62; 5.63...6.2				0.600
922-13	6.1; 6.11; 6.12...6.7				0.700

编号 Item No	标称直径 Nominal diameter	精度 Accuracy	长度 length	数量 Quantity	质量 Weight ( Kg )
922-14	6.61; 6.61; 6.62...7.2	± 0.001mm ± 0.002mm	50mm	51	0.809
922-15	7.1; 7.11; 7.12...7.7				0.925
922-16	7.70; 7.71; 7.72...8.2				1.050
922-17	8.20; 8.21; 8.22...8.7				1.181
922-18	8.70; 8.71; 8.72...9.2				1.321
922-19	9.21; 9.21; 9.22...9.7				1.469
922-20	9.7; 9.71; 9.72...10.2				1.624
922-21	9.7; 9.71; 9.72...10.7				1.787
922-22	10.7; 10.71; 10.72...11.2				1.958
922-23	11.2; 11.21; 11.22...11.7				2.137
922-24	11.7; 11.71; 11.72...12.2				2.324
922-25	12.2; 12.21; 12.22...12.7				2.518
922-26	12.7; 12.71; 12.72...13				2.638

订货说明:

请按其产品编号、直径订货。例: 针规 φ 0.6- φ 1.1, 标注为: 922-02

Note: Please mark item No. and diameter for order. Example: for pin gauge φ 0.6- φ 1.1, mark with 922-02.



## 普通螺纹量规 923 924 COMMON THREAD GAUGES 923 924

普通螺纹量规（螺纹环规、螺纹塞规）适用于检测符合国家标准及国际标准的螺纹制件。符合GB标准。  
The common thread gauges including ring gauges and plug gauges are used to calibrate thread workpieces with GB and ISO standards. It conforms to GB standard.



### 订货说明:

请按被测工件螺纹直径、螺距及公差带级别订货。我厂可提供3h4h、4h、5h4h、6e、6f、5g6g、6g、7g6g、5h6h、6h、7h6h、8g、8h级的环规和4H、4H5H、5H6H、5G、6G、7G、5H、6H、7H级的塞规。

例：工件外螺纹M6×0.75-6g用环规，标注为：923-M6×0.75-6g

工件内螺纹M6×0.75-6G用塞规，标注为：924-M6×0.75-6G

Note: Please mark the diameter, pitch and class of the thread for order. We can provide ring gauges with the classes of 3h4h、4h、5h4h、6e、6f、5g6g、6g、7g6g、5h6h、6h、7h6h、8g、8h and plug gauge with the classes of 4H、4H5H、5H6H、5G、6G、7G、5H、6H、7H.

Example: for the ring gauges used for outside thread M6×0.75-6g, mark with the 923-M6×0.75-6g and for the plug gauge used for inside thread M6×0.75-6G, mark with 924-M6×0.75-6G.

## 螺纹环规及螺纹塞规

## COMMON THREAD RING GAUGES AND PLUG GAUGES

公称直径 Nominal diameter(mm)		螺 距 Thread pitch(mm)						质 量 Weight(kg)	
1	2							环 规 Ring gauge	塞 规 Plug gauge
1△;1.2△		0.25	0.20					0.00308	0.00057
	1.4△	0.30	0.20					0.0033	0.00058
1.6△	1.8△	0.35	0.20					0.0034	0.0006/0.0007
2.0		0.40	0.25					0.0063	0.00063
	2.2	0.45	0.25					0.0048	0.000684
2.5		0.45	0.35					0.008	0.0007
3.0		0.50	0.35					0.00748	0.00075
	3.5	(0.60)	0.35					0.00742	0.00083
4.0		0.70	0.50					0.01385	0.00099
5.0		0.80	0.50					0.01365	0.00125
6.0		1.00	0.75	(0.50)				0.01455	0.00277
8.0		1.25	1.00	0.75	(0.50)			0.034	0.00461
10		1.50	1.25	1.00	0.75	(0.50)		0.04	0.00736
12		1.75	1.50	1.25	1.00	(0.75)	(0.50)	0.0715	0.01393
	14	2.00	1.50	1.25	1.00	(0.75)	(0.50)	0.0805	0.01883
16		2.00	1.50	1.00	0.75	(0.5)		0.0762	0.0292
	18	2.50	2.00	1.50	1.00	(0.75)	(0.50)	0.136	0.04021
20	22	2.50	2.00	1.50	1.00	(0.75)	(0.50)	0.129/0.163	0.058/0.063
24	27	3.00	2.00	1.50	1.00	(0.75)		0.18/0.19	0.093/0.135
30	33	3.50	3.00	2.00	1.50	(1.00)	(0.75)	0.32/0.35	0.163/0.225
36	39	4.00	3.00	2.00	1.50	(1.00)		0.37/0.43	0.273/0.336
42	45	4.50	4.00	3.00	2.00	1.50	(1.00)	0.63/0.67	0.451/0.489
48	52	5.00	(4.00)	3.00	2.00	1.50	(1.00)	0.8/0.9	0.575/0.667
56	60	5.50	4.00	3.00	2.00	1.50	(1.00)	1.1/1.3	0.909~1.039
64;72;80	68;76	6.00	4.00	3.00	2.00	1.50	(1.00)	1.54~2.57	1.09~2.05
90;100	85;95	6.00	4.00	3.00	2.00	(1.50)		2.36~3.08	2.80~3.74
105;110		6.00	4.00	3.00	2.00	(1.50)		1.75/3.56	1.75/3.56
115;120		6.00	4.00	3.00	2.00	(1.50)		3.08/3.54	3.08/3.54
125;130		6.00	4.00	3.00	2.00	(1.50)		3.69/4.85	3.69/4.85
140		6.00	4.00	3.00	2.00	(1.50)		4.6	4.9

注：括号内螺距及带△号者均按特殊订货生产。 Note: Thread pitch in the parenthesis and the parameters marked with △ can be provided for special order.



## 美标统一螺纹量规 925 926

## ANSI STANDARD THREAD GAUGES 925 926

美标统一螺纹量规符合美国联邦标准 ANSI/ASME B1.2。

ANSI standard thread gauges are made in accordance with ANSI/ASME B1.2.

### 美标统一螺纹环规及螺纹塞规

### ANSI THREAD RING AND PLUG GAUGES



925/926

#### 订货说明:

请按产品直径、每英寸牙数和系列代号的产品编号及螺纹精度等级订货。我厂可提供1A、2A、3A级的环规和1B、2B、3B级的塞规。

例：环规0.099-48UNC-2A，标注为：925-03-2A

塞规0.099-48UNC-2B，标注为：926-03-2B

Note: Please mark diameter, teeth per inch, item No. and accuracy class for order. We can provide ring gauges with the classes of 1A、2A、3A and plug gauges with the classes of 1B、2B、3B.

Example: for ring gauge 0.099-48UNC-2A, mark with 925-03-2A and for plug gauge 0.099-48UNC-2B, mark with 926-03-2B.

编 号 Item No.	标准尺寸、每英寸牙数 standard size(in)&teeth per inch	系列代号 Series designation	质 量 Weight(kg)	
			环规 Ring gauge	塞规 Plug gauge
925/926-01	0.073-64	UNC UNF UNEF UN UNS	0.0031	0.00064
-02	0.086-56		0.0048	0.000684
-03	0.099-48		0.00784	0.00075
-04	0.112-40		0.00742	0.00083
-05	0.125-40		0.00742	0.00083
-06	0.138-32		0.01385	0.00099
-07	0.164-32		0.01385	0.00099
-08	0.190-24		0.01365	0.00125
-09	0.216-24		0.01455	0.00277
-10	0.250-20		0.01455	0.00277
-11	0.3125-18		0.034	0.00461
-12	0.375-16		0.04	0.00736
-13	0.4375-14		0.0715	0.01393
-14	0.500-13		0.0715	0.01393
-15	0.5625-12		0.0805	0.01833
-16	0.625-11		0.0762	0.0292
-17	0.750-10		0.129	0.0584
-18	0.875-9		0.163	0.063
-19	1.000-8		0.18	0.1345
-20	1.125-7		0.35	0.1628
-21	1.250-7		0.3175	0.2248
-22	1.375-6		0.367	0.273
-23	1.500-6		0.43	0.336
-24	1.750-5		0.632	0.489
-25	2.000-4.5		0.818	0.667

## 莫氏圆锥量规 927 928 929 930

### MORSE TAPER GAUGES 927 928 929 930

莫氏圆锥量规用于检查机床与工具圆锥孔和圆锥柄的锥度和尺寸的正确性，莫氏量规分A型不带扁尾和B型带扁尾两种型式，精度等级分为1、2、3级。符合GB标准。

The morse taper gauges are used for checking the Morse taper of spindles of machine tools, tapered shanks of cutting tools and arbors ,etc.

They are divided into type A(those without flat tail)and type B(those with flat tail).The three accuracy classes are class 1、class 2、class 3. It conforms to GB standard.



### 不带扁尾莫氏圆锥工作环规 A型 927 MORSE TAPER WORKING RING GAUGES WITHOUT FLAT TAIL,TYPE A 927

编 号 Item No.	规 格 Specifications	锥 度 值 Taper	质 量 Weight (kg)
927-01	0	1:19.212	0.058
-02	1	1:20.047	0.110
-03	2	1:20.020	0.240
-04	3	1:19.922	0.450
-05	4	1:19.254	0.830
-06	5	1:19.002	2.100
-07	6	1:19.180	5.300

### 不带扁尾莫氏圆锥工作塞规 A型 928 MORSE TAPER WORKING PLUG GAUGES WITHOUT FLAT TAIL,TYPE A 928

编 号 Item No.	规 格 Specifications	锥 度 值 Taper	质 量 Weight (kg)
928-01	0	1:19.212	0.054
-02	1	1:20.047	0.104
-03	2	1:20.020	0.251
-04	3	1:19.922	0.499
-05	4	1:19.254	0.921
-06	5	1:19.002	2.10
-07	6	1:19.180	5.00

## 带扁尾莫氏圆锥工作环规 B型 929

### MORSE TAPER WORKING RING GAUGES WITH FLAT TAIL,TYPE B 929

符合GB标准。  
It conforms to GB standard.

编 号 Item No.	规 格 Specifications	锥 度 值 Taper	质 量 Weight (kg)
929-01	0	1:19.212	0.080
-02	1	1:20.047	0.140
-03	2	1:20.020	0.260
-04	3	1:19.922	0.460
-05	4	1:19.254	0.830
-06	5	1:19.002	2.030
-07	6	1:19.180	5.400

## 带扁尾莫氏圆锥工作塞规 B型 930

### MORSE TAPER WORKING PLUG GAUGES WITH FLAT TAIL,TYPE B 930

符合GB标准。  
It conforms to GB standard.

编 号 Item No.	规 格 Specifications	锥 度 值 Taper	质 量 Weight (kg)
930-01	0	1:19.212	0.050
-02	1	1:20.047	0.106
-03	2	1:20.020	0.260
-04	3	1:19.922	0.510
-05	4	1:19.254	0.960
-06	5	1:19.002	2.200
-07	6	1:19.180	4.900



929

930

订货说明:

请按产品名称、规格的编号订货，并注明级别。

例：带扁尾莫氏圆锥工作环规 0#2级，标注为：929-01-2

带扁尾莫氏圆锥工作塞规 0#2级，标注为：930-01-2

Note: Please mark name of the product, item No. and specifications for order. Please also mark the class.

Example: for Morse taper ring gauge with flat tail, 0# class 2, mark with 929-01-2 and for

Morse taper plug gauge with flat tail 0# class 2, mark with 930-01-2.

## 7:24 圆锥量规 931 932

### 7:24 TAPER GAUGES 931 932

7:24 圆锥量规可满足机床制造业锥体制件的互换，实现锥度传递及检测。符合GB标准。

7:24 The taper gauges can be used to meet the interchange of tapered parts in machine industry and achieve taper transfer and test. It conforms to GB standard.



931

932

### 7:24 圆锥环规 931

#### 7:24 TAPER RING GAUGES 931

编 号 Item No.	规 格 Specifications	级别 Class	质 量 Weight (kg)
931-01	30	1;2;3	0.82
-02	40		1.17
-03	45		2.39
-04	50		3.82
-05	55		5.1
-06	60		12.3
-07	65		14.02
-08	70		18.08
-09	75		65.7
-10	80		123.4

### 7:24 圆锥塞规 932

#### 7:24 TAPER PLUG GAUGES 932

编 号 Item No.	规 格 Specifications	级别 Class	质 量 Weight (kg)
932-01	30	1;2;3	0.7
-02	40		1.34
-03	45		2.30
-04	50		4.03
-05	55		6.06
-06	60		7.8
-07	65		15.0
-08	70		27.8
-09	75		49.85
-10	80		74.91

订货说明:

请按产品名称的编号及级别订货。例: 7:24 圆锥环规60#3级, 标注为: 931-06-3级

Note: Please mark the name of the product, item No. and specification for order.

Example: for 7:24 taper ring gauge, 60#class3, mark with 931-06-3.

### 我公司还生产如下产品:

1. NPT 锥管螺纹量规  
FED-STD-H28/7 (1978) 规格: (1/16~6)in
2. 非螺纹密封的管螺纹量规  
GB 10922 规格: G(1/16~6)in
3. 用螺纹密封的管螺纹量规  
ZB J42037-89 规格: R(1/16~6)in JB/T10031
4. 梯形螺纹量规:  
GB 8124 规格: Tr (8~180)mm

### Our plant also manufactures the following products:

1. NPT tapered tube thread gauges  
FED-STD-H28/7(1978), Specification: (1/16~6) in
2. Tube thread gauges of non-thread sealing.  
GB 10922, Specification: G(1/16~6)in
3. Tube thread gauges of thread sealing.  
ZB J42037-89, Specification: R(1/16~6)in
4. Trapezoidal thread gauges  
GB 8124, Specification: Tr(8~180)mm

## 光滑极限塞规 936

### PLAIN LIMIT PLUG GAUGES 936

符合GB标准。  
It conforms to GB standard.



936

编号 Item no.	精度 Accuracy	规格 Specifications
936	H6, H7, H8	1、1.05、1.1、1.15、1.2、1.25、1.3、1.4、1.5、1.6、1.7、1.8、1.9、2、2.1、2.2、2.3、2.4、2.5、2.6、2.7、2.8、2.9、3、3.2、3.4、3.6、3.8、4、4.2、4.5、4.8、5、5.5、6、6.5、7、7.5、8、8.5、9、9.5、10、10.5、11、11.5、12、12.5、13、13.5、14、14.5、15、15.5、16、16.5、17、17.5、18、18.5、19、19.5、20、20.5、21、22、23、24、25、26、27、28、29、30、32、34、36、38、40、42、45、48、50。

## 光滑极限环规 937

### PLAIN LIMIT RING GAUGES 937

符合GB标准。  
It conforms to GB standard.

编号 Item no.	精度 Accuracy	规格 Specifications
937	h6, h7, h8	1、1.05、1.1、1.15、1.2、1.25、1.3、1.4、1.5、1.6、1.7、1.8、1.9、2、2.1、2.2、2.3、2.4、2.5、2.6、2.7、2.8、2.9、3、3.2、3.4、3.6、3.8、4、4.2、4.5、4.8、5、5.5、6、6.5、7、7.5、8、8.5、9、9.5、10、10.5、11、11.5、12、12.5、13、13.5、14、14.5、15、15.5、16、16.5、17、17.5、18、18.5、19、19.5、20、20.5、21、22、23、24、25、26、27、28、29、30、32、34、36、38、40、42、45、48、50。



937

## 抽油杆量规 938 939

### SUCKER ROD GAUGES 938 939

符合GB标准。  
It conforms to GB standard.



938



939

编号 No.	精度 Accuracy	规格 Specifications
938	2A	CYG13, CYG16, CYG19, CYG22, CYG25, CYG29。
939	2B	CYG13, CYG16, CYG19, CYG22, CYG25, CYG29。

## 抽油泵螺纹量规 940 941

### THREAD GAUGES FOR OIL SUCKING PUMPS 940 941

抽油泵螺纹量规是抽油泵中圆柱螺纹的检具，具有对螺纹各项参数如大、中、小径、螺距、牙型半角综合检测的功能。环、塞规的规格均为 ( 0.75~4.238)英寸，精度等级为 3A,3B 。符合GB标准。

The thread gauges for oil sucking pumps are a measuring tool for testing the cylindrical thread of oil sucking pumps, and they have the function of comprehensively testing all parameters of the thread such as major, medium and minor diameters, pitch of thread, profile semiangle, etc. The sizes of both ring and plug gauges are 0.75–4.238 inches, the grade of accuracy are 3A and 3B. It conforms to GB standard.



941



940



## 表面粗糙度比较样块

## SURFACE ROUGHNESS COMPARISON SPECIMENS

表面粗糙度比较样块是用比较法检查零件表面粗糙度的一种量具，在机械工业生产中得到广泛的应用。符合GB标准。

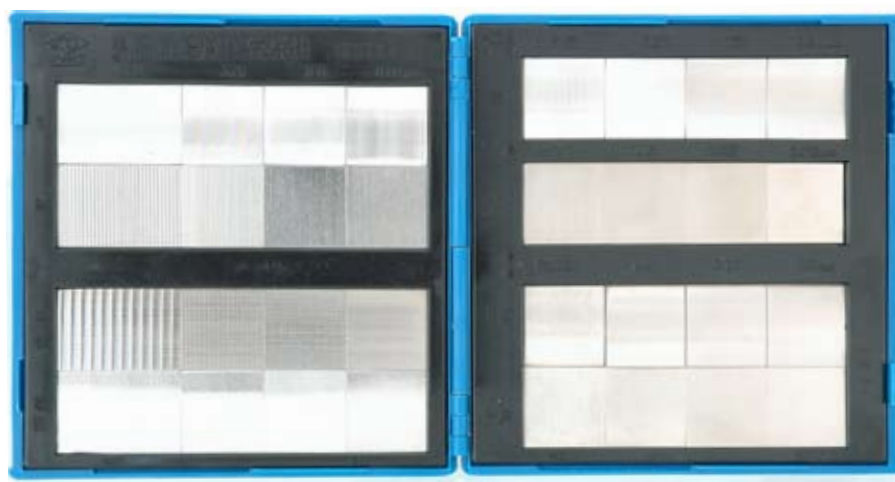
The surface roughness comparison specimens are used to check the surface roughness of workpieces by comparison. They are widely used in machinery industry. It conforms to GB standard.

## 组合式表面粗糙度比较样块 950

## MULTI-PATTERN SURFACE ROUGHNESS COMPARISON SPECIMENS 950

符合GB标准。

It conforms to GB standard.



950

编 号 Item No.	组 别 Sets	Ra (μm)										质 量 Weight (kg)
		6.30	3.20	1.60	0.80	0.40	0.20	0.10	0.05	0.025	0.012	
950-01	车 Turning	○	○	○	○							0.142
	镗 Boring	○	○	○	○							
	刨 Planing	○	○	○	○							
	平铣 Plain milling	○	○	○	○							
	端铣 End milling	○	○	○	○							
	磨外圆 Cylindrical grinding				○	○	○	○				
	平磨 Plane grinding				○	○	○	○				
	研磨 Lapping							○	○	○	○	

## 单组合式表面粗糙度比较样块 951

### SINGLE-PATTERN SURFACE ROUGHNESS COMPARISON SPECIMENS 951

符合GB标准。

It conforms to GB standard.

编 号 Item No.	组 别 Sets	Ra (μm)										质 量 Weight (kg)
		6.30	3.20	1.60	0.80	0.40	0.20	0.10	0.05	0.025	0.012	
951-01	平铣 Plain milling	○	○	○	○							0.046
-02	端铣 End milling	○	○	○	○							
-03	刨 Planing	○	○	○	○							
-04	车外圆 Turning	○	○	○	○							
-05	锉 Filing	○	○	○	○							
-06	镗 Boring	○	○	○	○							
-07	磨内孔 Internal grinding				○	○	○	○				
-08	抛光 Polishing				○	○	○	○				
-09	磨外圆 Cylindrical grinding				○	○	○	○				
-10	平磨 Plane grinding				○	○	○	○				
-11	机研 Machine Lapping							○	○	○	○	
-12	手研 Hand Lapping							○	○	○	○	
-13	车外圆 Turning	○	○	○	○	○						
-14	磨外圆 Cylindrical grinding				○	○	○	○	○			
-15	平磨 Plane grinding				○	○	○	○	○			

## 双组合式表面粗糙度比较样块 952

## DOUBLE-PATTERN SURFACE ROUGHNESS COMPARISON SPECIMENS 952

符合GB标准。

It conforms to GB standard.

编 号 Item No.	组 别 Sets	Ra (μm)										质 量 Weight (kg)
		6.30	3.20	1.60	0.80	0.40	0.20	0.10	0.05	0.025	0.012	
952-01	平铣 Plain milling	○	○	○	○							0.054
	端铣 End milling	○	○	○	○							
-02	刨 Planing	○	○	○	○							
	平磨 Plane grinding				○	○	○	○				
-03	机研 Machine Lapping							○	○	○	○	
	手研 Hand Lapping							○	○	○	○	
-04	车外圆 Turning	○	○	○	○							
	磨外圆 Cylindrical grinding				○	○	○	○				
-05	镗 Boring	○	○	○	○							
	磨内孔 Internal grinding				○	○	○	○				
-06	锉 Filing	○	○	○	○							
	抛光 Polishing				○	○	○	○				

# 销售网络通讯录

The Directory of Domestic Sales Network

序号	名 称	地 址	邮 编	电 话
1	哈尔滨量具刀具集团有限责任公司销售分公司	哈尔滨市和平路46号	150040	0451-82664700
2	哈尔滨量具刀具集团有限责任公司销售总公司出口部	哈尔滨市和平路44号	150040	0451-86792177
3	哈尔滨量具刀具集团有限责任公司销售总公司精密量仪销售部	哈尔滨市和平路44号	150040	0451-86792159
4	哈尔滨量具刀具集团有限责任公司销售总公司凯狮销售部	哈尔滨市和平路44号	150040	0451-86792697
5	哈尔滨量具刀具集团有限责任公司销售总公司数控刀具销售部	哈尔滨市和平路44号	150040	0451-86792534
6	哈尔滨量具刀具集团有限责任公司长春销售中心	长春市上海路五金工具市场A区88号	130051	0431-82955528
7	哈尔滨量具刀具厂沈阳经销中心	沈阳市铁西区建设中路59号	110021	024-25624348
8	哈尔滨量具刀具集团有限责任公司天津销售分公司	天津市南开区广开三马路25号	300102	022-27378183
9	北京哈量量具刀具销售中心	北京市丰台区右安门外东滨河路甲2号	100054	010-63510535
10	哈尔滨量具刀具集团有限责任公司洛阳分公司	洛阳市西工区解放路49号	471000	0379-63923876
11	哈尔滨量具刀具集团有限责任公司西安销售处	西安市环城东路中段63号	710048	029-82484745
12	哈尔滨量具刀具集团有限责任公司重庆销售中心	重庆市石桥铺渝交交易城渝成街320-11号	400039	023-68616458
13	哈尔滨量具刀具集团有限责任公司济南销售处	济南市经四路667号	250022	0531-87971452
14	哈尔滨量具刀具厂南京销售中心	南京市太平南路439号	210004	025-86647773
15	哈尔滨量具刀具厂无锡销售处	无锡市德福弄2-1号	214005	0510-82307589
16	哈尔滨量具刀具厂上海销售公司	上海市山东北路47号	200001	021-63239501
17	哈尔滨量具刀具厂杭州供应站	杭州市文晖路288号	310014	0571-85332674
18	哈尔滨量具刀具厂武汉销售中心	武汉汉口友谊路118号	430022	027-85825943
19	哈尔滨量具刀具集团有限责任公司长沙销售分公司	长沙市南湖五金机电大市场4栋1-3号	410001	0731-2182155

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